

NAMI FOOT S40

Description

Three-Component polyurethane for use in foot wear

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1200-1400	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	83-87	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	240-270	Internal Method
Free Rise Density	kg/m3	220-250	Internal Method
Mold Density	kg/m3	380-500	ISO 845
Mold Temperature	°C	45-60	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	40-45	DIN 7619



NAMI FOOT SLM35

Description

A three-component polyurethane system designed for producing soft, super low-density slipper soles

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	300-400	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	93-96	Internal Method
Cream Time	Sec	6--8	Internal Method
Tack Free Time	Sec	27-32	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	135-155	Internal Method
Mold Density	kg/m3	220-240	ISO 845
Mold Temperature	°C	60-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	33-38	DIN 7619



NAMI FOOT LS25-01

Description

Three Component Polyurethane System which designed to produce low desnsity hot-cured insole.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1300-1500	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	60-64	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	28-32	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	170-190	Internal Method
Mold Density	kg/m3	280-310	ISO 845
Mold Temperature	°C	60-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	25-30	DIN 7619



NAMI FOOT S45

Description

Three-Component polyurethane for use in foot wear, especially to production of high flexible shoe soles, safety shoes, and etc microcellular elastomer polyurethane foams.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1200-1400	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	87-91	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	240-270	Internal Method
Free Rise Density	kg/m3	220-250	Internal Method
Mold Density	kg/m3	380-500	ISO 845
Mold Temperature	°C	45-55	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	45-50	DIN 7619





NAMI FOOT M55 new

Description

The M55 new is Three Component Polyurethane System, which designed to produce medium density shoe sole, sandals, sport shoes. This product is known as IL system in the related industry.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	350-500	700-900	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	92-96	Internal Method
Cream Time	Sec	7--9	Internal Method
Tack Free Time	Sec	28-32	Internal Method
Demoulding Time	Sec	210-240	Internal Method
Free Rise Density	kg/m3	190-210	Internal Method
Mold Density	kg/m3	340-380	ISO 845
Mold Temperature	°C	45-55	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	53-58	DIN 7619



شعبه تهران
خیابان ولیعصر، پلاک ۱۰۱، طبقه ۴، واحد ۶
Tehran Office: Unit6, Floor4, Kian Tower, Zafar Alley, Valiasr St, Tehran, Iran

شعبه تبریز
بازار تبریز، خیابان دارایی قدیم، جنب بانک سپه
Tabriz Office: Side Of Sepah Bank, Old Darai St, Bazar-Tabriz, Tabriz, Iran

کارخانه
تبریز، ابتدای شهرک صنعتی عالی نسب
Factory: Alinasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

+91 - 88645263-4
+98 21 88798504

+91 - 35251616
+98 914 672 8686
+98 41 35251616

+91 - 35251616
+98 41 36301233-5

www.rasampolymer nami.com

info@namigrp.com

[rasampolymer nami](https://www.youtube.com/rasampolymer nami)

[rasampolymer nami](https://www.linkedin.com/rasampolymer nami)

[rasampolymer nami](https://www.instagram.com/rasampolymer nami)
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NAMI FOOT M65 new

Description

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	350-500	700-900	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	106-110	Internal Method
Cream Time	Sec	7--9	Internal Method
Tack Free Time	Sec	28-32	Internal Method
Demoulding Time	Sec	210-240	Internal Method
Free Rise Density	kg/m3	190-210	Internal Method
Mold Density	kg/m3	290-340	ISO 845
Mold Temperature	°C	50-60	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	63-68	DIN 7619



شعبه تهران
 خیابان ولیعصر، پلاک ۱۸، برج کیان، طبقه ۴، واحد ۲
 Tehran Office: Unit 2, Floor 4, Kiyan Tower, Zafar Alley, Valiasr St, Tehran, Iran

شعبه تبریز
 بازار تبریز، خیابان دارایی، جنب بانک سپه
 Tabriz Office: Side Of Sepan Bank, Old Darake St, Bazar-Tabriz, Tabriz, Iran

کارخانه
 ایمن آباد، شهرک صنعتی عالی، جنب
 Factory: Abnasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

تلفن: ۸۸۷۹۸۵۰۰
 فکس: ۸۸۸۰۰۰۰
 شماره تماس: ۸۸۸۵۵۵۵۵
 شماره تماس: ۸۸۸۵۵۵۵۵

تلفن: ۸۸۸۵۵۵۵۵
 فکس: ۸۸۸۵۵۵۵۵
 شماره تماس: ۸۸۸۵۵۵۵۵
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 فکس: ۸۸۸۵۵۵۵۵
 شماره تماس: ۸۸۸۵۵۵۵۵
 شماره تماس: ۸۸۸۵۵۵۵۵

www.rasampolymerdami.com
 info@namigrp.com
 rasampolymerdami
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 rasampolymerdami
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NAMI FOOT SLM50

Description

A three-component polyurethane system designed for producing, super low-density slipper soles

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	300-400	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	103-106	Internal Method
Cream Time	Sec	6--8	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	135-155	Internal Method
Mold Density	kg/m3	220-240	ISO 845
Mold Temperature	°C	60-65	-
Prepolymer Tank Temperature	°C	38-42	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	37-42	DIN 7619





NAMI FLEXI K25

Description

Two Component Polyether-based Polyurethane System which designed to produce low density and high- resilience insole. The system is categorized as flexible polyurethane foam and used as cold-cured insole.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1-1.1	DIN 51757
Viscosity (45 °C)	cP	250-350	1100-1300	DIN 53019
Melting Conditions	°C	6-8 hr if needed	Non-freezing	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	28-32	Internal Method
Cream Time	Sec	12--14	Internal Method
Tack Free Time	Sec	25-30	Internal Method
Demoulding Time	Sec	150-180	Internal Method
Free Rise Density	kg/m3	120-140	Internal Method
Mold Density	kg/m3	280-300	ISO 845
Mold Temperature	°C	45-55	-
Prepolymer Tank Temperature	°C	23-28	-
Polymix Tank Temperature	°C	23-28	-

Product Properties	Unit	Value	Method
Hardness	Shore A	22-28	DIN 7619





Description

Three Component Polyurethane System which designed to produce low desnsity Slippers

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	90-94	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	24-27	Internal Method
Demoulding Time	Sec	210-240	Internal Method
Free Rise Density	kg/m3	170-190	Internal Method
Mold Density	kg/m3	270-320	ISO 845
Mold Temperature	°C	50-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	50-55	DIN 7619



شعبه تهران
تهران وایمسر، پلاک ۱۱ از پلر دشت کوچه ناصری، برج گیان، طبقه ۴، واحد ۲
Tehran Office: Umrul, Plack 11an Tower, Zafar Alley, Vahdat St, Tehran, Iran

شعبه تبریز
بازار تبریز، خیابان دارایی، جنب بانک سپه
Tabriz Office: Side Of Sepan Bank, Old Darake St, Bazar-Tabriz, Tabriz, Iran

کارخانه
ایران آزادی، شهرک صنعتی مانی، سبب
Factory: Abnasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

تلفن: ۰۲۱-۸۸۶۴۵۲۶۳-۴
فکس: ۰۲۱-۸۸۶۴۵۲۶۳-۴
تلفن: ۰۲۱-۸۸۶۴۵۲۶۳-۴

تلفن: ۰۲۱-۸۸۶۴۵۲۶۳-۴
فکس: ۰۲۱-۸۸۶۴۵۲۶۳-۴
تلفن: ۰۲۱-۸۸۶۴۵۲۶۳-۴

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فکس: ۰۲۱-۸۸۶۴۵۲۶۳-۴
تلفن: ۰۲۱-۸۸۶۴۵۲۶۳-۴

www.rasampolymermami.com
info@namigrp.com
rasampolymermami
rasampolymermami
rasampolymermami
rasampolymermami_int





NAMI FOOT S45-02

Description

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	300-400	1000-1200	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Product Properties	Unit	Value	Method
Hardness	Shore A	42-48	DIN 7619

شعبه تهران
خیابان ولیعصر، بالاتر از ظفر، نبش کوچه ناصری، برج کیان، طبقه ۴، واحد ۶
Tehran Office: Unit 6, Floor 4, Kian Tower, Zafar Alley, Valiasr St. Tehran, Iran





NAMI FOOT S45-02-new

Description

Three-Component polyurethane for use in foot wear, especially to production sport shoes, soft sandals and casual shoe soles.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1200-1400	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	84-88	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	24-27	Internal Method
Demoulding Time	Sec	210-240	Internal Method
Free Rise Density	kg/m3	200-220	Internal Method
Mold Density	kg/m3	370-410	ISO 845
Mold Temperature	°C	45-55	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	45-50	DIN 7619



شعبه تهران
خیابان ولیعصر، پلاک ۴۵، برج کیان، طبقه ۴، واحد ۴
Tehran Office: Unit6, Floor4, Kian Tower, Zafar Alley, Valiasr St, Tehran, Iran

شعبه تبریز
بازار تبریز، خیابان دارایی قدیم، جنب بانک سپه
Tabriz Office: Side Of Sepah Bank, Old Daraie St, Bazar-Tabriz, Tabriz, Iran

کارخانه
تبریز، ابتدای شهرک صنعتی عالی نسب
Factory: Alinasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

۰۲۱ - ۸۸۹۹۸۵۰۳۰۴
۰۲۱ - ۸۸۶۴۵۲۶۴
+98 21 88645263-4
+98 21 88798504

۰۴۱ - ۳۵۲۵۱۶۱۶
۰۴۱ - ۳۵۲۵۱۶۱۶
+98 914 672 8686
+98 41 35251616

۰۴۱ - ۳۶۳۰۱۲۳۳ - ۵
+98 41 36301233-5

www.rasampolymernami.com
info@namigrp.com
rasampolymernami
rasampolymernami
rasampolymernami
rasampolymernami





NAMI FOOT SP45-01

Description

Three-Component polyurethane for use in foot wear, especially to production light sport shoes.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	300-400	1000-1200	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	80-84	Internal Method
Cream Time	Sec	6--8	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	180-200	Internal Method
Mold Density	kg/m3	330-370	ISO 845
Mold Temperature	°C	50-60	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	40-45	DIN 7619



شعبه تهران
 خیابان ولیعصر، پلاک ۴۵، برج کیان، طبقه ۴، واحد ۴
 Tehran Office: Unit6, Floor4, Kian Tower, Zafar Alley, Valiasr St, Tehran, Iran

شعبه تبریز
 بازار تبریز، خیابان دارایی قدیم، جنب بانک سپه
 Tabriz Office: Side Of Sepah Bank, Old Daraie St, Bazar-Tabriz, Tabriz, Iran

کارخانه
 تبریز، ابتدای شهرک صنعتی عالی نسب
 Factory: Alinasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

تلفن: ۰۲۱-۸۸۶۹۸۵۰۳-۴
 فکس: ۰۲۱-۸۸۶۴۵۲۶۴
 +98 21 88645263-4
 +98 21 88798504

تلفن: ۰۲۱-۳۵۲۵۱۶۱۶
 فکس: ۰۲۱-۳۵۲۵۱۶۱۶
 +98 914 672 8686
 +98 41 35251616

تلفن: ۰۲۱-۳۶۳۰۱۲۳۳-۵
 فکس: ۰۲۱-۳۶۳۰۱۲۳۳-۵
 +98 41 36301233-5

www.rasampolymerdami.com
 info@namigrp.com
 rasampolymerdami
 rasampolymerdami
 rasampolymerdami
 rasampolymerdami





NAMI FOOT ULM40-01

Description

Three-Component polyurethane for use in foot wear, especially for soft Slippers production.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	90-94	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	23-27	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	140-160	Internal Method
Mold Density	kg/m3	240-270	ISO 845
Mold Temperature	°C	60-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	42-48	DIN 7619



شعبه تهران
تهران: خیابان ولیعصر، پلاک ۱۸، طبقه ۳ واحد ۵
Telran Office: Urmia, Ploork, Kian Tower, Zafar Alley, Tehran St., Tehran, Iran

شعبه تبریز
تبریز: بازار کوچه خیابان دارایی، جنب بانک سپه
Tabriz Office: Side Of Sapan Bank, Old Darab St., Bazar-Tabriz, Tabriz, Iran

کارخانه
تهران: منطقه ۲، شهرک صنعتی، جاده ۱
Factory: Almasab Industrial Zone, 20th km of Tehran Road, Tabriz, Iran

تلفن: ۸۸۷۹۵۰۰۰
فکس: ۸۸۷۹۵۰۰۰
شماره ۲۱: ۸۸۵۸۲۵۴-۴
شماره ۲۱: ۸۸۷۹۵۵۴

تلفن: ۳۳۳۰۱۱۱۵
فکس: ۳۳۳۰۱۱۱۵
شماره ۲۱: ۳۳۳۰۱۱۱۵
شماره ۲۱: ۳۳۳۰۱۱۱۵

تلفن: ۳۳۳۰۱۱۱۵
فکس: ۳۳۳۰۱۱۱۵
شماره ۲۱: ۳۳۳۰۱۱۱۵
شماره ۲۱: ۳۳۳۰۱۱۱۵

www.rasampolymerdami.com
info@namigrp.com
rasampolymerdami
rasampolymerdami
rasampolymerdami
rasampolymerdami



NAMI FOOT ULM50-01

Description

Three Component Polyurethane System which designed to produce low density and relative hard and shiny Slippers

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	98-102	Internal Method
Cream Time	Sec	6--8	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	180-200	Internal Method
Mold Density	kg/m3	280-300	ISO 845
Mold Temperature	°C	55-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	48-52	DIN 7619



NAMI FOOT OS70

Description

Three-Component polyurethane for use in foot wear, especially to production of safety shoe soles outsole.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1200-1400	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	56-60	Internal Method
Cream Time	Sec	7--8	Internal Method
Tack Free Time	Sec	30-33	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	600-800	Internal Method
Mold Density	kg/m3	800-1050	ISO 845
Mold Temperature	°C	45-55	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	65-70	DIN 7619



NAMI FOOT SLM

Description

Three-component polyurethane system designed for the production of soft, super low density Slippers.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	300-400	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	93-96	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	140-160	Internal Method
Mold Density	kg/m3	220-240	ISO 845
Mold Temperature	°C	55-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	35-40	DIN 7619



NAMI FOOT ULS20

Description

Three-component polyurethane system designed for the production of soft, ultra low density, hot-cured shoe insoles.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	67-71	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	27-30	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	140-160	Internal Method
Mold Density	kg/m3	250-270	ISO 845
Mold Temperature	°C	55-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	18-22	DIN 7619





NAMI FOOT ULS35

Description

Three-component polyurethane system designed for the production of soft Slippers and hot-cured shoe insoles.

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm3	1.15-1.25	1.05-1.15	DIN 51757
Viscosity (45 °C)	cP	250-350	1400-1600	DIN 53019
Melting Conditions	°C	80 (12-24hr)	60 (8-12hr)	-
Storage @20-25 °C	Month	6	6	-

Operation Parameters	Unit	Value	Method
Mixing Ratio (ISO/POLY)	w/w	77-81	Internal Method
Cream Time	Sec	6--7	Internal Method
Tack Free Time	Sec	27-32	Internal Method
Demoulding Time	Sec	180-240	Internal Method
Free Rise Density	kg/m3	140-160	Internal Method
Mold Density	kg/m3	250-270	ISO 845
Mold Temperature	°C	55-65	-
Prepolymer Tank Temperature	°C	40-45	-
Polymix Tank Temperature	°C	45-50	-

Product Properties	Unit	Value	Method
Hardness	Shore A	30-35	DIN 7619

