



NAMI FOOT M55/new

Description

The M55 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	30-34	Internal Method
Demoulding Time	Sec	240-300	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	58-62	DIN 7619



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



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NAMI FOOT S45-02

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	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	86-90	Internal Method
Cream Time	Sec	5--7	Internal Method
Tack Free Time	Sec	24-27	Internal Method
Demoulding Time	Sec	210-240	Internal Method
Free Rise Density	kg/m3	190-210	Internal Method
Mold Density	kg/m3	370-410	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	42-48	DIN 7619



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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	180-210	Internal Method
Free Rise Density	kg/m3	190-210	Internal Method
Mold Density	kg/m3	320-360	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	61-69	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	88-92	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	220-245	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 S40

Description

The S40 is Three Component Polyurethane System which designed to produce highly flexible and soft shoe sole. The system is known as Soft T400 and usually is used as midsole in dual-density 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	300-400	650-850	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	210-240	Internal Method
Free Rise Density	kg/m3	215-235	Internal Method
Mold Density	kg/m3	420-480	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	37-43	DIN 7619





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



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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 LS25-01

Description

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

Material Properties	Unit	Prepolymer	Polyol Mix	Method
Density (25 °C)	g/cm ³	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/m ³	160-180	Internal Method
Mold Density	kg/m ³	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 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



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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 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





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

