Manali Petrochemicals Limited.,
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TECHNICAL DATA SHEET

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Product Name

EMPEYOL WSF 300/3 (CLASSIC PED)

Product Description

EMPEYOL WSF 300/3 is an eco-friendly formulated polyether polyol to be used in combination with suitable isocyanate for the production of microcellular polyurethane elastomers for Higher hardness heel sole at low density application.

Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	White to Pale yellow liquid
Viscosity @25ºC	cps	1000 ± 100
Density @25ºC	g/cc	1.020 ± 0.020

Recommended Process Conditions in Bench Mixer at 25°C

Process Parameters	Unit	Specification
Mixing ratio (Polyol : Isocyanate)	-	100 : (70-80)
Polyol Temperature	°C	25 ± 02
MDI Temperature	°C	25 ± 02
Cream time	sec	15+2
Gel time	sec	25+3
Tack free time	sec	35+5
Pinch Time	Sec	70-75
Free rise density	Kg/m3	200 ± 20
Demold time	sec	180

Properties of Foam

Properties	Test Method	Unit	Specification
Molded Density		Kg/m^3	300 - 320
Shore A	SATRA TM 205:2017	No unit	85-90

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Packaging Size	200 kg
Shelf-Life	6 Months
Storage and Handling	EMPEYOL WSF 300/3 and Empeyonate XR 1 should be stored in tightly closed containers at temperature between 20°C and 30°C and should not be exposed to direct sunlight.
Health and Safety Advice	EMPEYOL WSF 300/3 polyol should present no unusual health problems when used in manufacturing operations where satisfactory standards of personal and industrial hygiene are maintained. Precautions should be taken to avoid exposure to the eye or prolonged contact with the skin.