

Product Name

 Date of issue: Dec. 2018
 Revision No : 1

EMPEYOL WSF 300/3 (SANDAL)

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 SANDAL application.

Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	White to Pale yellow liquid
Viscosity @25°C	cps	1000 ± 100
Density @25°C	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	28+2
Tack free time	sec	37+5
Pinch time	sec	70-75
Free rise density	Kg/m ³	250 ± 20
Demold time	sec	210

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Properties of Foam

Properties	Test Method	Unit	Specification
Molded Density		Kg/m ³	400 ± 20
Shore A	SATRA TM 205:2017	No unit	40 – 50
Tensile strength	SATRA TM 137:1995	N/mm ²	3.0 (Minimum)
Tear Strength	SATRA TM 65 :1992	N/mm	2.5 (Minimum)
Elongation	SATRA TM 137:1995	%	250 (Minimum)
Abrasion Resistance	SATRA TM 174:1994	mm ³	500 (Maximum)
Bata belt flex test	SATRA TM 133:1993	Cycles	To pass 30000

Packaging Size

200 kg

Shelf-Life

6 Months

Storage and Handling

EMPEYOL WSF 300/3 and Empeyonate ISE MPP205 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.

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