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MANALI
PETROCHEMICALS

PRODUCT DATA SHEET

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TECHNICAL DATA SHEET EMPEYOL WSF 300/3

<u>PRODUCT DESCRIPTION :</u> 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 CHAPPAL AND SHOE SOLE applications	
<u>PROPERTIES OF THE POLYOL :</u> Color and appearance Viscosity at 25° C (cps) Density at 25° C (grams/cc)	White to Pale yellow liquid 1000 ± 200 1.020 ± 0.020
<u>RECOMMENDED PROCESSING CONDITIONS :</u> Mixing ratio [Polyol : Isocyanate] (pbw) Temperature (°C) Polyol Isocyanate Mould	100 : 105 to 115 30 ± 02 30 ± 02 45 - 50
REACTION PROFILE USING BENCH MIXER AT 30° C (Including mixing time 5 sec)	
Mix ratio [Polyol : Isocyanate] (pbw) Cream time (sec) Gel time (sec) Rise time (sec) Free rise density (kg/m ³) Demould time (sec)	100 : 110 10 ± 02 20 ± 05 35 ± 05 250 ± 20 200 minimum

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Typical properties of the foam :	
Mould density (kg/m ³)	400 ± 20
Shore A	45 – 65
HANDLING & STORAGE : EMPEYOL WSF 300/3 and ISOCYANATE should be stored in tightly closed containers & should Not be exposed to direct sunlight.	
SHELF LIFE	6 months
HEALTH & SAFETY ADVICE : EMPEYOL WSF 300/3 and isocyanate should present no hazard 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 skin.	

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