

MANALI PETROCHEMICALS LIMITED

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TECHNICAL DATA SHEET

EMPEYOL HSR 200/7F- NORMAL

PRODUCT DESCRIPTION :	
EMPEYOL HSR 200/7F is an eco-friendly CFC free formulated polyether polyol to be used in combination with POLYMERIC MDI or equivalent isocyanate for the production of polyurethane rigid foams for panels and water heater applications. This polyol has been preblended with HCFC – 141b.	
PROPERTIES OF THE POLYOL :	
Colour and appearance	Yellow to brown liquid
Viscosity at 25° C (cps)	300 – 400
Density at 25° C (grams/cc)	1.140 ± 0.03
RECOMMENDED PROCESSING CONDITIONS :	
Mixing ratio [Polyol : POLYMERIC MDI] – (pbw)	100 : 115
Temperature (°C)	
Polyol	25 ± 03
Isocyanate	25 ± 03
Mould	40 – 50
REACTION PROFILE USING BENCH MIXER AT 25° C	
Mix ratio [Polyol : POLYMERIC MDI] pbw	100 : 115
Cream time (seconds)	18 – 22
Gel time (seconds)	130 ± 15
Tack free time (seconds)	160 ± 15
Free rise density (kg/cu.m)	23.5 – 24.5
Demould time (minutes)	10 (minimum) for 50 mm thickness.
PROPERTIES OF THE FOAM:	
Core density (kg/cu.m)	32.0 (minimum)
Compressive strength (kg/sq.cm)	1.0 (minimum)
Dimensional stability @ – 28°C for 24 hours (% linear change)	-1.0 (maximum)
K value (W/m.K)	0.020 (maximum)
PACKING SIZE	210 kg Nett / 25 kg Nett
HANDLING & STORAGE :	
EMPEYOL HSR 200/7F (Normal) and POLYMERIC MDI (or) EQUIVALENT ISOCYANATE should be stored in tightly closed containers at temperature between 20°C and 30°C and should not be exposed to direct sunlight.	
SHELF LIFE: 6 months.	
HEALTH & SAFETY ADVICE :	
EMPEYOL HSR 200/7F (Normal) and POLYMERIC MDI or equivalent 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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