



MANALI PETRO CHEMICALS LIMITED

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TECHNICAL DATA SHEET

EMPEYOL HSR 200/2XF

PRODUCT DESCRIPTION :	
EMPEYOL HSR 200/2XF 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 spray applications. This polyol has been preblended with HCFC – 141b. “X” implies the presence of fire retardant in the formulated polyol.	
PROPERTIES OF THE POLYOL :	
Colour and appearance	Yellow to brown liquid
Viscosity at 25° C (cps)	250 – 350
Density at 25° C (grams/cc)	1.140 ± 0.03
RECOMMENDED PROCESSING CONDITIONS :	
Mixing ratio [Polyol : POLYMERIC MDI] – (pbw)	100 : 110
Temperature (°C)	
Polyol	20 ± 02
Isocyanate	20 ± 02
REACTION PROFILE USING BENCH MIXER AT 20° C	
Mix ratio [Polyol : POLYMERIC MDI] - pbw	100 : 110
Cream time (seconds)	04 ± 01
Gel time (seconds)	15 ± 02
Tack free time (seconds)	17 ± 02
PROPERTIES OF THE FOAM:	
Free rise density (kg/cu.m)	33.0 – 37.0
Density of foam by spray machine (kg/cu.m)	40.0 – 43.0
PACKING SIZE	210 kg Nett / 25 kg Nett
HANDLING & STORAGE :	
EMPEYOL HSR 200/2XF 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: 3 months.	
HEALTH & SAFETY ADVICE :	
EMPEYOL HSR 200/2XF 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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