



MANALI PETROCHEMICAL LTD

TECHNICAL DATA SHEET

EMPEYOL HST 200/11

PRODUCT DESCRIPTION :	
EMPEYOL HST 200/11 is an eco-friendly CFC free formulated polyether polyol to be used in combination with Millionate MR 200 or equivalent isocyanate for the production of polyurethane rigid foams for thermoware 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)	250 – 350
Density at 25° C (grams/cc)	1.140 ± 0.03
RECOMMENDED PROCESSING CONDITIONS :	
Mixing ratio [Polyol:Millionate MR 200]– (pbw)	100 : 110
Temperature (°C)	
Polyol	20 ± 03
Isocyanate	20 ± 03
REACTION PROFILE USING BENCH MIXER AT 20° C	
Mix ratio [Polyol : Iso] pbw	100 : 110
Cream time (seconds)	07 – 10
Gel time (seconds)	55 – 75
Free rise density (kg/cu.m)	22.0 ± 0.5
PROPERTIES OF THE FOAM:	
Core density (kg/cu.m)	30.0 (minimum)
K value (W/m.K)	0.020 (maximum)
PACKING SIZE	210 kg Nett / 25 kg Nett.
HANDLING & STORAGE :	
EMPEYOL HST 200/11 and Millionate MR 200 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 HST 200/11 and Millionate MR 200 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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