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PRODUCT DATA SHEET

EMPEYOL HSR 200/7XF

DESCRIPTION

EMPEYOL HSR 200/7XF is an eco-friendly CFC free formulated polyether polyol to be used in combination with **POLYMERIC MDI** or equivalent isocyanate for the production of large size discontinuous polyurethane rigid panel foams for insulation applications. This polyol has been preblended with HCFC – 141b. “X” implies the presence of fire retardant in the formulated polyol.

SALES SPECIFICATION

Characteristics	Unit	Specification
Color and appearance		Yellow to brown liquid
Viscosity at 25⁰C	(cps)	250 – 350
Density at 25⁰C	(grams/cc)	1.140 – 1.160
RECOMMENDED PROCESSING CONDITIONS		
Mixing ratio(Polyol: Isocyanate-Wannate 8018)		100 : 120
Temperature	(⁰ C)	
Polyol		21 ± 03
Isocyanate		21 ± 03
Mould		40 – 50
REACTION PROFILE USING BENCH MIXER AT 21° C(*)		
Mix ratio [Polyol : Iso]	(pbw)	100 : 120
Cream time	(seconds)	35 – 40
Gel time	(seconds)	200 - 230
Tack free time	(seconds)	250 –280

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Free rise density	(kg/cu.m)	25.0 – 27.0
Demould time	(minutes)	20 (minimum)
PROPERTIES OF THE FOAM:		
Core density		
Compressive strength	(kg/cu.m)	32.0 (minimum)
Dimensional stability @ – 28°C for 24 hours (% linear change)	(kg/sq.cm)	1.0 (minimum) – 1.0 (maximum)
Flammability test for Foam :		
Horizontal burning characteristics as per IS : 11239 – part 12-1988	(mm)	60 (maximum)
K value	(W/m.K)	0.020 (maximum)

HANDLING & STORAGE

EMPEYOL HSR 200/7XF 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 200/7XF 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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