



+++++ TECHNICAL DATA SHEET FORMULATED POLYOL

EMPEYOL HSR 200/1F

PRODUCT DESCRIPTION:

EMPEYOL HSR 200 / 1F is an eco - friendly CFC free formulated polyether polyol to be used in combination with POLYMERIC MDI for the production of polyurethane rigid foams for appliance applications. HCFC 141b has been preblended in the formulated polyol.

PROPERTIES OF THE POLYOL :

Colour and appearance		Yellow to brown liquid
Viscosity at 21°C	(cps)	375 ± 50
Density at 21°C	(grams/cc)	1.100 - 1.170

RECOMMENDED PROCESSING CONDITIONS :

Mixing ratio [Polyol : POLYMERIC MDI]	(pbw)	100 : 120 ± 02
Temperature (°C)		
Polyol		22 ± 03
POLYMERIC MDI		20 ± 03
Mould		40 - 50

REACTION PROFILE USING BENCH MIXER AT 21° C (*)

Mixing Ratio [Polyol : POLYMERIC MDI]	(pbw)	100 : 120
Cream time	(seconds)	08 - 10
Gel time	(seconds)	60 - 70
Tack free time	(seconds)	65 -75
Free rise density	(kg/cu.m)	24.5 ± 1.5
Demould time	(seconds)	240 (minimum)

(* Depending on customer's requirement, bench properties and free rise density can be varied and supplied)

PROPERTIES OF THE FOAM:

Mould density	(kg/cu.m)	32 ± 02 (for cabinet) & 34 ± 02 (for Door)
Compressive Strength	(kg/cm ²)	1.0(minimum)
Dimensional stability	(% volume change)	
[@ - 30°C and @ + 60°C for 4.5 hours each after continuous 4 cycles]	2.0 (maximum)	
K value	(W/m.K)	0.0195 (maximum)

PACKING SIZE

210 kg Nett

HANDLING & STORAGE :

EMPEYOL HSR 200 / 1F and POLYMERIC MDI 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 / 1F and POLYMERIC MDI should be 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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