



+++++ TECHNICAL DATA SHEET FORMULATED POLYOL

EMPEYOL HSR 200/7XF

PRODUCT DESCRIPTION:

EMPEYOL HSR 200 / 7XF is an eco-friendly CFC free formulated polyether polyol to be used in combination with POLYMERIC MDI for the production of panel and block grade polyurethane rigid foams for insulation 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 - 1.160

RECOMMENDED PROCESSING CONDITIONS :

Mixing ratio [Polyol : POLYMERIC MDI] - (pbw)		100 : 120
Temperature (°C)		
Polyol		21 ± 03
POLYMERIC MDI		21 ± 03
Mould		40 - 50

REACTION PROFILE USING BENCH MIXER AT 215° C (*)

Mixing ratio [Polyol : POLYMERIC MDI]	(pbw)	100 : 120
Cream time	(seconds)	35 - 40
Free Rise density	(kg/cu.m)	25.0 - 27.0
Demould time	(minutes)	20 (minimum)

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

PROPERTIES OF THE FOAM:

Core density	(kg/cu.m)	32.0 (minimum)
Compression strength	(kg/sq.cm)	1.0 (minimum)
Dimensional stability @ - 28 deg C for 24 hours (% linear change)		-1.0 (maximum)
Flammability test (as per MVSS 302) burning rate	(mm/minute)	60 (maximum)
K value	(W/m.K)	0.020 (maximum)

PACKING SIZE 210 kg Nett / 25 kg Nett

HANDLING & STORAGE :

EMPEYOL HSR 200 / 7XF) 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 / 7XF and POLYMERIC MDI should present no hazards in manufacturing operations where satisfactory standards of personal and industrial hygiene are maintained. Precautions should be take to avoid exposure to the eye or prolonged contact with skin.

Warning : The information in this data sheet is believed to be accurate but all recommendations are made without warranty, since the conditions are beyond the company's control. MPL disclaims any liability in connection with the use of information, and does not warrant against infringement by reason of the use of any of its products in combination with other materials or in any process.