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PRODUCT DATA SHEET

EMPEYOL PST 200/1 - CP

DESCRIPTION EMPEYOL PST 200/1 - CP 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 appliance applications. The blowing agent Cyclopentane 95% is to be blended at the customers end.

SALES SPECIFICATION

Characteristics	Unit	Specification
Color and appearance		Clear yellow to brown liquid
Viscosity at 25⁰C	(cps)	6500 ± 1000
Density at 25⁰C	(grams/cc)	1.090 ± 0.02
RECOMMENDED PROCESSING CONDITIONS		
Mixing ratio(Polyol: Isocyanate- Wannate 8018)		100 : 15.5 : 146
Temperature	(⁰ C)	20 ± 01
Polyol		20 ± 01
Isocyanate		
REACTION PROFILE USING BENCH MIXER AT 25° C		
Mix ratio [Polyol : Iso]		
Cream time	(seconds)	08 – 12
Gel time	(seconds)	50 – 60
Tack free time	(seconds)	
Free rise density	(kg/cu.m)	60 – 70
Demould time for 50		24.0 – 25.5

mm thick (seconds)		180 (minimum)
PROPERTIES OF FOAM		
Core density		
Compressive strength	(kg/cu.m)	32.0 (minimum)
Dimensional stability	(kgf/sq.cm)	1.40 (minimum)
(% linear change)	(kgf/314sq.cm)	- 0.5 (maximum)
@ - 30°C for 48 hours		for length & breadth;
@ + 50 C for 48 hours		- 1.0 (maximum) for thickness.
K value @ 24°C	(k.cal/hr.m.°C)	+ 0.5 (maximum) for length & breadth;
(k.cal/hr.m.°C)		+ 1.0 (maximum) for thickness.
Post Expansion (% change)		0.0173 (maximum)
DMT: 180 sec		2.0 (maximum) for 50 mm thick
Over Pack (%): 20		4.0 (maximum) for 100 mm thick

PACKAGING SIZE 210 kg Nett

HANDLING & STORAGE

EMPEYOL PST 200/1 - CP 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.

HEALTH & SAFETY ADVICE

EMPEYOL PST 200/1 - CP 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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