

Product Name

 Date of issue: June 2021
 Revision No : 3

EMPEYOL PST 200/1

Product Description

EMPEYOL PST 200/1 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 is to be blended at the customers end.

Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	Yellow to brown liquid
Specific gravity @25°C	-	1.15 ± 0.05
Viscosity @25°C	cps	6000 ± 750

Recommended Process Conditions in Bench Mixer at 21°C

Process Parameters	Units	Value
Mixing ratio (Polyol : CP: Isocyanate Millionate MR 200)	-	100: 14.5: 146
Polyol Temperature	°C	22
MDI Temperature	°C	22
Cream time	sec	10 ± 2
Gel time	sec	65 ± 2
Free rise density	kg/m ³	25 ± 2

Properties of Foam

Properties	Test Method	Unit	Value
Core Density	ASTM D1622	Kg/m ³	32 (minimum)
Compressive strength	ASTM D1621-05A	psi	20 (minimum)
Thermal Conductivity	ASTM C518-98	BTU/ hr. ft. ² . F ⁻¹	0.14 (maximum)
Closed cell content	ASTM D6226	%	> 92%

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Packaging Size

210Kg Nett

Shelf life

6 Months

**Storage and
Handling**

EMPEYOL PST 200/1 and Millionate MR 200 should be stored in tightly closed containers at temperature between 20°C and 30°C and should not be exposed to direct sunlight.

**Health and
Safety Advice**

EMPEYOL PST 200/1 polyol should present no unusual health problems when used 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 the skin.

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