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Product Name

EMPEYOL CPU-40 P

Product Description

EMPEYOL CPU-40 P is an eco-friendly polyether polyol to be used in combination of cyclopentane/n-pentane with EMPEYONATE IRD 200. This is used for the production of **continuous panel** polyurethane type rigid foams for insulation applications.

Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	Yellow to brown liquid
Density @25°C	cps	500 ± 50
Viscosity @25°C	g/cc	1.110 ± 0.05

Recommended Process Conditions in Bench Mixer at 20°C

Process Parameters	Units	Value
Mixing ratio (Polyol : catalyst: CP:Polymeric MDI)	-	100: 1.5: 14 : 140
Polyol Temperature	°C	22
MDI Temperature	°C	22
Cream time	sec	10 ± 2
Gel time	sec	65 ± 5
Free rise density	kg/m3	37 ± 2

Properties of Foam

Properties	Test Method	Unit	Value
Overall Density	ASTM D1622	Kg/m3	40 - 45
Compressive strength	ASTM D1621-05A	Kpa	120 (min)
Thermal Conductivity	ASTM C518-98	W/m.K	0.022 ± 0.01
Closed cell content	ASTM D6226	%	> 92%

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Packaging Size

210 net

Shelf life

6 Months

**Storage and
Handling**

EMPEYOL CPU-40 P 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.

**Health and
Safety Advice**

EMPEYOL CPU-40 P 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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