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## Product Name

EMPYOL SSR 200/9XF PIR

## Product Description

EMPEYOL SSR 200/9XF PIR is an eco-friendly blowing agent pre-blended polyether polyol to be used in combination with EMPEYONATE IRD 200. This is used for the production of discontinuous panel polyisocyanurate type rigid foams for insulation applications. This polyol has been preblended with HFC and pass fire test as per DIN 4102.

## Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	Yellow to brown liquid
Density @25°C	cps	200-300
Viscosity @25°C	g/cc	1.140 – 1.160

## Recommended Process Conditions in Bench Mixer at 20°C

Process Parameters	Units	Value
Mixing ratio (Polyol : Polymeric MDI)	-	100: 170
Polyol Temperature	°C	21
MDI Temperature	°C	21
Mold Temperature	°C	50-60
Cream time	sec	35-40
Gel time	sec	150-170
Free rise density	kg/m <sup>3</sup>	31-32

## Properties of Foam

Properties	Test Method	Unit	Value
Overall Density	ASTM D1622	Kg/m <sup>3</sup>	45 ± 2
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 Kg

**Shelf life**

6 Months

**Storage and  
Handling**

EMPEYOL SSR 200/9XF PIR 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 SSR 200/9XF PIR 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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