

Product Name

 Date of issue: June 2021
 Revision No : 0

EMPEYOL WSF 300/1-8 HLD (K-P)

Product Description

EMPEYOL WSF 300/1-8 HLD (P) is formulated polyether polyol to be used in combination with variant MDI for the production of polyurethane flexible molded foams for furniture and cushion applications.

Properties of Polyol

Characteristics	Unit	Specification
Appearance	-	White to yellow liquid
Density @25°C	cps	1800 (max)
Viscosity @25°C	g/cc	1.030-1.050

Recommended Process Conditions in Bench Mixer at 25°C

Process Parameters	Units	Value
Mixing ratio (Polyol: Polymeric MDI)	-	100:40+02
Polyol Temperature	°C	20-25
MDI Temperature	°C	20-25
Mold Temperature	°C	45-55
Cream time	sec	07 (minimum)
Gel time	sec	55-70
Demold time	sec	240

Properties of Foam

Properties	Test Method	Unit	Value
Molded Density		Kg/m ³	50.0-52.0
IFD @ 25%	ASTM D 3574-08B	Kgf/314 cm ²	16.0 (min)
Tensile strength	ASTM D3574-08E	Kg/cm ²	1.00 (min)
Tear Strength	ASTM D3574-08F	Kg/cm	0.50 (min)
Elongation	ASTM D3574-08E	%	100 (min)
Resilience	ASTM D3574-08H	%	50 (min)

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Packaging Size

200 Kg Nett

Shelf Life

6 Months

**Storage and
Handling**

EMPEYOL WSF 300/1-8 HLD (P) and 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 and
Safety Advice**

EMPEYOL WSF 300/1-8 HLD (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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