

Product Name

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EMPEYOL VE 3780F

Product Description

EMPEYOL VE3780 F (Visco Elastic) is formulated polyether polyol to be used in combination with TDI(80/20) for the production of flexible slab stock zero memory foams used in mattress and pillow applications

Properties of polyol

S. No.	Characteristics	Unit	Specification
1	Colour and Appearance	----	Clear Liquid
2	Density at 25 °C	g/cc	1.03±0.02
3	Viscosity at 25 °C	Cps	350 (maximum)

Reaction Profile using Bench Mixer @ 2000 rpm

Process Parameters	Units	Value
Mix ratio [Polyol : *Stannous Octoate : TDI 80/20](*To be added before TDI addition)	-	100:126
Cream time	Sec	10 + 01
Rise time	Sec	125+05
Free rise density	Kg/m3	55+02
Resilience	%	15.0 (maximum)

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RECOMMENDED PROCESSING CONDITIONS:

Polyol and TDI shall be cooled to 21 –25°C.

Required quantity of polyol, Stannous Octoate and TDI 80/20 shall be calculated based on the volume of the box (for box foaming)

Stannous Octoate level is to be adjusted to the conditions prevailing in the production process.

Required quantity of Stannous Octoate shall be added to the polyol and mixed at 1000 –1500 rpm for 30 seconds before adding TDI 80/20.

The required quantity of TDI 80/20 shall be added to the above mix and be stirred at 2000 rpm for 5 seconds and poured into the box.

CURING SCHEDULE: 24 hours at ambient temperature for cutting the bun; 72 hours at ambient temperature for slicing into required products and the pieces shall be crushed to remove tightness if required.

Packaging Size

210/25 kg Nett

**Storage and
Handling**

EMPEYOL VE3780 F (Visco-elastic) and TDI 80/20 should be stored in tightly closecontainers & should not be exposed to direct sunlight.

**Health and
Safety Advice**

EMPEYOL VE3780 F (Visco-elastic) 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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