



## +++++ TECHNICAL DATA SHEET FORMULATED POLYOL

### EMPEYOL WSF 300/10 (SOUND INSULATION - MEDIUM DENSITY)

#### PRODUCT DESCRIPTION:

EMPEYOL WSF 300/10 (SOUND INSULATION - MEDIUM DENSITY) is an eco-friendly CFC free formulated polyether polyol to be used in combination with EMPEYONATE MT 99 for the production of medium density flexible moulded foam for sound insulation like dash insulation etc. for automotive industry.

#### PROPERTIES OF THE POLYOL :

Colour and appearance		White to yellow liquid
Viscosity at 25° C	(cps)	2000 (maximum)
Density at 25° C	(grams/cc)	1.030 ± 0.02

#### RECOMMENDED PROCESSING CONDITIONS :

Mixing ratio [ Polyol : EMPEYONATE MT 99]	(pbw)	100 : 34 - 40
Temperature (°C)		
Polyol		20 - 25
EMPEYONATE MT 99		20 - 25
Mould		45 - 55

#### REACTION PROFILE USING BENCH MIXER AT 25° C

Mixing ratio [Polyol : EMPEYONATE MT 99].....	(pbw)	100 : 37.5
Cream time	(seconds)	08 (minimum)
Gel time	(seconds)	65 - 80
Rise time	(seconds)	85 - 10
Demould time	(minutes)	07 (minimum)

#### PROPERTIES OF THE FOAM:

Mold density	(kg/cu.m)	54.0 - 56.0
IFD @ 25% for 200 mm dia indentor	(kgf)	16.0(minimum)
Tensile strength	(kg /sq.cm)	0.80(minimum)
Tear Strength	(kg / cm)	0.40(minimum)
Elongation	(%)	80 (minimum)
Resilience	(%)	60 (minimum)
Compression Set(50 % compression @ 70°C for 22 hrs)	(%)	5.0(maximum)
Flammability test (as per MVSS 302)burning rate	(mm/minute)	100 (maximum)

**PACKING SIZE** 200 kg Nett

#### HANDLING & STORAGE :

EMPEYOL WSF 300/10 (Sound Insulation-Medium Density) and EMPEYONATE MT 99 should be stored in tightly closed containers & should not be exposed to direct sunlight.

**SHELF LIFE** 6 months

#### HEALTH & SAFETY ADVICE :

EMPEYOL WSF 300/10 (Sound Insulation-Medium Density) 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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