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PRODUCT DATA SHEET

EMPEYOL WSF 300/1- 8(HLD)

DESCRIPTION: EMPEYOL WSF 300/1- 8(HLD) is an eco-friendly CFC free formulated polyether polyol to be used in combination with variant MDI – Wannate 8018 or equivalent isocyanate for the production of polyurethane flexible moulded foams for four wheeler automotive seat cushion and furniture applications.

SALES SPECIFICATION:

Characteristics	Unit	Specification
Color and appearance		White to yellow
Viscosity at 25⁰C	(cps)	1800(maximum)
Density at 25⁰C	(grams/cc)	1.30-1.050
RECOMMENDED PROCESSING CONDITIONS		
Mixing ratio(Polyol: Isocyanate- Wannate 8018)		100:65±02
Temperature	(⁰ C)	
Polyol		20-25
Isocyanate		20-25
Mould		45-55
REACTION PROFILE USING BENCH MIXER AT 25° C		
Mix ratio [Polyol : Iso]	(pbw)	100 : 65
Cream time	(seconds)	07 (minimum)
Gel time	(seconds)	55 – 70
Demould time	(seconds)	210 sec (minimum)

**PROPERTIES OF
FOAM**

Mold density	(kg/cu.m)	40.0 – 43.0
Core density	(kg/cu.m)	37.0 – 40.0
IFD @ 25%	(kgf/314	18.0 (minimum)
Tensile strength	sq.cm)	1.03 (minimum)
Tear strength	(kg /sq.cm)	0.50 (minimum)
Elongation	(kg / cm)	100 (minimum)
Resilience	(%)	50 (minimum)
Compression Set 50 % compression @ 70° C for 22 hrs	(%)	10 (minimum)

PACKING SIZE : 200 kg Net

HANDLING & STORAGE :

EMPEYOL WSF 300/1- 8 (HLD) and Isocyanate Wannate 8018 or equivalent should be stored in tightly closed containers & should not be exposed to direct sunlight. Shelf life is 6 months.

HEALTH & SAFETY ADVICE :

EMPEYOL WSF 300/1- 8 (HLD) 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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