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PRODUCT DATA SHEET

EMPEYOL WSF 300/10 (S)

DESCRIPTION

EMPEYOL WSF 300/10(S) is an eco-friendly CFC free formulated polyether polyol to be used in combination with MT99 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 liquid
Viscosity at 25⁰C	(cps)	2000 (maximum)
Density at 25⁰C	(grams/cc)	1.020 – 1.040
RECOMMENDED PROCESSING CONDITIONS		
Mixing ratio(Polyol: Isocyanate- MT99)		100 : 50 ± 2
Temperature	(⁰ C)	
Polyol		20 – 25
Isocyanate		20 – 25
Mould		60 – 70
REACTION PROFILE USING BENCH MIXER AT 25° C		
Mix ratio [Polyol : Iso]	(pbw)	100 : 49
Cream time	(seconds)	09 (minimum)
Gel time	(seconds)	65 – 70
Demould time	(seconds)	240 (minimum)
PROPERTIES OF		

FOAM		
Mold density		40.0 – 43.0
Core density	(kg/cu.m)	37.5 – 40.5
IFD @ 25%	(kg/cu.m)	18.0 (minimum)
Tensile strength	(kgf/314sm)	1.00 (minimum)
Tear strength	(kg /sq.cm)	0.50 (minimum)
Elongation	(kg / cm)	100 (minimum)
Resilience	(%)	58 (minimum)
Compression Set 50 % compression @ 70° C for 22 hrs	(%)	10 (maximum)

PACKING SIZE 200 kg Net

HANDLING & STORAGE

EMPEYOL WSF 300/10 (S) and Isocyanate MT99 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 300/10 (S) 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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