



TECNICAL DATA SHEET

EMPEYOL WSF 300/1 (HLD)

PRODUCT DESCRIPTION :

EMPEYOL HSR 300/1 (HLD) is an eco-friendly CFC free formulated polyether polyol to be used in combination with **POLYMERIC MDI** for the production of polyurethane flexible moulded foams for four wheeler seat cushion and furniture applications.

PROPERTIES OF POLYOL :

Colour and Appearance		White to Yellow liquid
Viscosity at 25°C	(cps)	1800 (Maximum)
Density at 25°C	(grams/cc)	1.030 - 1.050

RECOMMENDED PROCESSING CONDITIONS :

Mixing ratio [Polyol : MDI]		100 : 60 to 70
Temperature (°C)		
Polyol		20 - 25
MDI		20 - 25
Mould		40 - 50

REACTION PROFILE USING BENCH MIXER AT 25° C

Mix ratio [Polyol : MDI]	(pbw)	100 : 65 ± 02
Cream time	(seconds)	07 (Minimum)
Gel time	(seconds)	55 - 70
Rise time	(seconds)	65 - 80
Demould time	(minutes)	04

(* Depending on customer's requirement, bench properties and free rise density can be varied and supplied.)

PROPERTIES OF THE FOAM :

Moulded density	(kg/cu.m)	40.0 - 43.0
Core Density	(kg/cu.m)	38.0 - 41.0
IFD @ 25%	(kgf) / 314 sq.cm	18.0 (minimum)
Tensile Strength	(kg / sq.cm)	1.03 (minimum)
Tear Strength	(kg / cm)	0.50 (minimum)
Elongation	(%)	100 (minimum)
Resilience	(%)	50 (minimum)
Compression Set - 50% compression @ 70 C for 22 hrs)	(%)	10 (maximum)
Flammability test (as per MVSS 302) burning rate	(mm / minute)	100 (maximum)

PACKING SIZE

210 kg Nett / 25 kg Nett

HANDLING & STORAGE :

EMPEYOL WSF 300/1 (HLD) and MDI should be stored in tightly closed containers and should not be exposed to direct sunlight.

SHELF LIFE : 6 months

HEALTH & SAFETY ADVICE :

EMPEYOL WSF 300/1 (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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