

Ponneri High Road, Manali,  
Chennai - 600068

Ph: +91 44 25941025/1421/1557

Fax: +91 44 2594 1199

Email: [mkt@manalipetro.com](mailto:mkt@manalipetro.com)

[www.manalipetro.com](http://www.manalipetro.com)



## PRODUCT DATA SHEET

### EMPEYOL WSF 300/1- 8(V-K)

**DESCRIPTION:** EMPEYOL WSF 300/1- 8(V-K) 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 molded foams for two wheeler automotive seat cushion.

#### **SALES SPECIFICATION**

Characteristics	Unit	Specification
<b>Color and appearance</b>		White to Yellow liquid
<b>Viscosity at 25<sup>0</sup>C</b>	(cps)	2300 (maximum)
<b>Density at 25<sup>0</sup>C</b>	(grams/cc)	1.030 – 1.050
<b>RECOMMENDED PROCESSING CONDITIONS</b>		
<b>Mixing ratio(Polyol: Isocyanate- Wannate 8018)</b>		
<b>Temperature</b>	( <sup>0</sup> C)	
<b>Polyol</b>		20 – 25
<b>Isocyanate</b>		20 – 25
<b>Mould</b>		50 – 55
<b>REACTION PROFILE USING BENCH MIXER AT 25° C</b>		
<b>Mix ratio [Polyol : Iso]</b>	(pbw)	100 : 45
<b>Cream time</b>	(seconds)	07 (minimum)
<b>Gel time</b>	(seconds)	60 – 65
<b>Demould time</b>	(seconds)	240 sec (minimum)

Revision No: 0

Date of Issue: May2014

Ponneri High Road, Manali,  
Chennai - 600068

Ph: +91 44 25941025/1421/1557

Fax: +91 44 2594 1199

Email: [mkt@manalipetro.com](mailto:mkt@manalipetro.com)

[www.manalipetro.com](http://www.manalipetro.com)



**MANALI**  
PETROCHEMICALS

## PRODUCT DATA SHEET

### PROPERTIES OF FOAM

Mold density	kg/cu.m)	85.0 – 90.0
Core density	(kg/cu.m)	80.0 – 85.0
IFD @ 25%	(kgf/314 sq.cm)	35.0 (minimum)
Tensile strength	(kg /sq.cm)	1.20 (minimum)
Tear strength	(kg / cm)	0.60 (minimum)
Elongation	(%)	80 (minimum)
Resilience	(%)	50 (minimum)
Compression Set 50 % compression @ 70° C for 22 hrs		5 (maximum)

**PACKING SIZE** : 200 kg Net

### HANDLING & STORAGE :

EMPEYOL WSF 300/1- 8 (V-K) and Isocyanate Wannate 8018 or equivalent should be stored in tightly closed containers & should not be exposed to direct sunlight.

**Shelf life** : 6 months.

### HEALTH & SAFETY ADVICE :

EMPEYOL WSF 300/1- 8 (V-K) 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.

---

The information in this data sheet is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond the company's control. MPL disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of any of its products in combination with other materials or in any process.

---