



+++++ TECHNICAL DATA SHEET FORMULATED POLYOL

EMPEYOL WSF 300/10 (SOUND INSULATION - HIGH DENSITY)

PRODUCT DESCRIPTION:

EMPEYOL WSF 300/10 (Sound Insulation - High Density) is an eco-friendly CFC free formulated polyether polyol to be used in combination with EMPEYONATE MT 99 for the production of high density polyurethane flexible moulded foams for sound insulation applications like rear strut insulation 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 : 19 - 21 |
| 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 : 20 |
| Cream time | (seconds) | 08 (minimum) |
| Gel time | (seconds) | 70 - 90 |
| Rise time | (seconds) | 90 - 110 |
| Demould time | (minutes) | 05 (minimum) |

PROPERTIES OF THE FOAM:

| | | |
|---|-------------|---------------|
| Mold density | (kg/cu.m) | 115 - 125 |
| IFD @ 25% for 200 mm dia indentor | (kgf) | 18(minimum) |
| Tensile strength | (kg /sq.cm) | 1.0(minimum) |
| Tear Strength | (kg / cm) | 0.60(minimum) |
| Elongation | (%) | 80 (minimum) |
| Resilience | (%) | 60 (minimum) |
| Compression Set(50 % compression @ 70° C / 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 - High 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 - High 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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