

Desmoderm® KEN

Polyurethane

Covestro - PUR

Message:

Desmoderm KEN Granular is a one-component polyester polyether urethane based on an aromatic diisocyanate.

| General Information | | | |
|------------------------------------|-----------------------------------|------|---------------------|
| Features | Alkali Resistant | | |
| | Good Surface Finish | | |
| | Hydrolysis Resistant | | |
| | Soft | | |
| Uses | Footwear | | |
| | Luggage | | |
| Forms | Granules | | |
| Physical | Nominal Value | Unit | Test Method |
| Viscosity ¹ | | | DIN EN ISO 3219/A.3 |
| Tempered 5 hr, 120°C : 23°C | 4.00 to 60.0 | Pa·s | |
| Untempered : 23°C | 4.00 to 20.0 | Pa·s | |
| Light-Fastness | 3.00 | | DIN EN ISO 105-B02 |
| Softening Range | 190 to 200 | °C | |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 100 | µm | |
| Tensile Modulus - 100% (100 µm) | 9.00 to 10.0 | MPa | DIN 53504 |
| Tensile Strength | | | DIN 53504 |
| 100 µm | 35.0 to 45.0 | MPa | |
| 70°C, 100 µm ² | 30.0 to 40.0 | MPa | |
| Tensile Elongation (Break, 100 µm) | 400 to 500 | % | DIN 53504 |
| NOTE | | | |
| 1. | 20% solution in dimethylformamide | | |
| 2. | after 14 days hydrolysis, 95% RH | | |

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