



RAVATHANE®

Ravathane® 141 A98 E10

Description: Polyester based aromatic thermoplastic polyurethane with excellent abrasion and tear resistance, hydrolytic stability, toughness, heat, oil, and solvent resistance.

Application: Conveyor belt, hose and tubing, and profile extrusion.

Typical Properties

| PROPERTIES | TEST METHOD | UNITS | VALUES |
|---------------------|--------------|-------------------|--------|
| Hardness | ISO 868 | Shore A | 97 |
| Density | ISO 1183-1 A | g/cm ³ | 1.21 |
| 100% modulus | ISO 37 | MPa | 14 |
| 300% modulus | ISO 37 | MPa | 27 |
| Tensile strength | ISO 37 | MPa | 46 |
| Elongation at break | ISO 37 | % | 530 |
| Tear strength | ISO 34-1 B/b | N/mm | 175 |
| Abrasion Resistance | ISO 4649 | mm ³ | 35 |
| Melting Temperature | DSC | °C | 210 |

Properties have been tested on injection molded plaques conditioned 24 hours at room temperature before testing.

Application Guideline (Extrusion)

| Nozzle (°C) | Zone 3 (°C) | Zone 2 (°C) | Zone 1 (°C) |
|-------------|-------------|-------------|-------------|
| 200-220 | 205-225 | 205-225 | 200-220 |