

Ravathane R130D55

Thermoplastic Polyurethane Elastomer (Polyester)

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Message:

Description: Product is based on standard grade saturated polyester and has strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.
Application: Wheel, shoes, injection part etc.

| General Information | | | |
|----------------------------|--------------------------|-------------------|-------------|
| Features | Good Abrasion Resistance | | |
| | Good Tear Strength | | |
| | Hydrolysis Resistant | | |
| | Oxidation Resistant | | |
| | Resilient | | |
| Uses | Footwear | | |
| | Wheels | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.23 | g/cm ³ | ISO 1183/A |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D) | 55 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Resistance | 35.0 | mm ³ | ISO 4649 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 37 |
| 100% Strain | 18.0 | MPa | |
| 300% Strain | 35.0 | MPa | |
| Tensile Stress (Yield) | 44.0 | MPa | ISO 37 |
| Tensile Elongation (Break) | 400 | % | ISO 37 |
| Tear Strength ¹ | 180 | kN/m | ISO 34-1 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 90.0 to 100 | °C | |
| Rear Temperature | 200 | °C | |
| Middle Temperature | 210 | °C | |
| Front Temperature | 215 | °C | |
| Nozzle Temperature | 220 | °C | |
| Injection Pressure | 70.0 | MPa | |
| NOTE | | | |

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