

Softflex® 4550

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex® 4550 is a Thermoplastic Elastomer (TPE) product. It is available in North America. Typical application: Engineering/Industrial Parts.

| General Information | | | |
|--|-------------------------------|-------------------|-------------|
| Uses | Overmolding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.980 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg) | 37 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 40 to 50 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 4.14 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | 750 | % | ASTM D638 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tear Strength | 24.5 | kN/m | ASTM D624 |
| Additional Information | Nominal Value | | |
| Overmold Bonding | ABS, Propionate, PC and Nylon | | |
| NOTE | | | |
| 1. | Procedure A | | |
| 2. | 510 mm/min | | |
| 3. | 510 mm/min | | |

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