

apifive® 1505-350

Polyolefin

API SpA

Message:

apifive® 1505-350 is a polyolefin product. It can be processed by injection molding and is available in Europe. Typical application areas are: consumer goods. The main characteristics are: crosslinkable.

| General Information | | | |
|--|----------------------|-------|-------------|
| Features | Crosslinkable | | |
| | Soft | | |
| Uses | Footwear | | |
| Appearance | Opacity | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.340 | g/cm³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 54 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 3.30 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 350 | % | ASTM D638 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tear Strength | 17.0 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395 |
| 23°C, 24 hr | 17 | % | ASTM D395 |
| 50°C, 6 hr | 62 | % | ASTM D395 |
| Additional Information | | | |
| Abrasion Resistance, DIN 53515, 10 N: 240 mm³Abrasion Resistance, DIN 53515, 5 N: 110 mm³Heat Stability, API Method, 24 hr, 70°C: 1.6% ShrinkageHeat Stability, API Method, 40 hr, 70°C: 0.3 % ShrinkageHardness, Asker C, 15 sec: 74Linear Expansion: 1.4 | | | |
| Injection | Nominal Value | Unit | |
| Hopper Temperature | 90.0 - 100 | °C | |
| Processing (Melt) Temp | 90.0 - 105 | °C | |
| Mold Temperature | 175 - 185 | °C | |
| Injection Pressure | 8.00 - 10.0 | MPa | |
| Back Pressure | 0.00 - 2.00 | MPa | |
| Screw L/D Ratio | 18.0:1.0 to 20.0:1.0 | | |
| Injection instructions | | | |
| Injection Rate: 6 to 15 g/secMold in aluminumCycle Time: 5 to 7 minFree nozzle (without valve)Injector: 90 to 100°C | | | |

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