

Sipolprene® 35195

Thermoplastic Copolyester Elastomer

SIPOL S.p.A

Message:

Sipolprene® 35195 is an ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 35, a low modulus, and a rheological behaviour, which makes it suitable for injection moulding and extrusion processing. Black colour and/or UV stabilised and/or heat stabilised are all available in dry blend version on request.

| General Information | | | |
|---|-------------------|----------|----------------------|
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.12 | g/cm³ | ASTM D792, ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 28 | g/10 min | ASTM D1238, ISO 1133 |
| Water Absorption ¹ (23°C, 24 hr) | 0.60 | % | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 35 | | ASTM D2240, ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 21.0 | MPa | ASTM D638, ISO 527-2 |
| Tensile Elongation (Break) | 700 | % | ASTM D638, ISO 527-2 |
| Flexural Modulus | 48.0 | MPa | ASTM D790, ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | No Break | | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Melting Temperature | 195 | °C | ASTM D3418, ISO 3146 |
| NOTE | | | |
| 1. | Immersion | | |

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