



PRODUCT INFORMATION

TAROPRENE 1A55 M1N

Thermoplastic Elastomer Vulcanized. This TPE-V compound combines the typical performance of a vulcanized elastomer with the easy processing of a thermoplastic compound. Taroprene is totally recyclable and it can be produced in standard grades and in tailor-made grades.

ISO short Form ISO 18064: TPV-(EPDM+PP)
Pellets

Key Features

- Designed for injection moulding applications
- Good adhesion to polyolefinic substrate

Availability

- All colours

Process

- INJECTION MOULDING

Application

- General purpose applications
- Consumer
- Building
- Seals and gaskets
- Automotive

| Property | Method | Unit | Value | Condition | State |
|------------------------------------|-------------|-------------------|-------|--------------------|-------|
| PHYSICAL | | | | | |
| Density (+23°C) | ISO 1183 | g/cm ³ | 0,96 | | |
| Melt Flow Rate (MFR) | ISO 1133 | g/10 min | 2,5 | 190°C - 5,0 kg | |
| MECHANICAL | | | | | |
| Hardness SHORE A | ASTM D2240 | Shore A | 55 | 3 sec | |
| Tensile Break Strength | ASTM D412/C | MPa | 4,3 | Speed 500 mm / min | |
| Elongation at Break | ASTM D412/C | % | 590 | Speed 500 mm / min | |
| Tensile Modulus at 100% elongation | ASTM D412/C | MPa | 1,5 | Speed 500 mm / min | |
| Tensile Modulus at 300% Elongation | ASTM D412/C | MPa | 3,0 | Speed 500 mm / min | |
| Tear Strength | ASTM D624/C | N/mm | 20 | Speed 500 mm / min | |

INJECTION MOULDING

Value



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|---|-------------|
| Drying Temperature (Circulating Air Oven) | 80 - 90°C |
| Drying Time (Circulating Air Oven) | 3 h |
| Melt Temperature | 190 - 230°C |
| Feed Temperature | 180°C |
| Rear Temperature | 190°C |
| Middle Temperature | 200°C |
| Front Temperature | 220°C |
| Nozzle Temperature | 220°C |
| Mould Temperature | 25 - 50°C |
| Injection Rate | MEDIUM |

Notes TAROPRENE is incompatible with POM and PVC. We recommend that all TAROPRENE products are always dried prior to use at the specified drying conditions. The processing parameters like processing temperatures are a recommendation and can be adjusted in function of injection machine or extruder size, part geometry and design.