# Alcryn® 2165 TR

Melt Processable Rubber

Advanced Polymer Alloys

## Message:

Alcryn®2165 TR is a melt processable rubber (MPR) material. This product is available in North America, Europe or Asia Pacific.
Alcryn®The main features of 2165 TR are:
Comply with WEEE standard
ROHS certification
high liquidity
Good tear strength
chemical resistance
Typical application areas include:
Wire and cable
Hose
engineering/industrial accessories
Sealing applications
Automotive Industry

| General Information | | | |
|---|---|---|---|
| Features | High Friction<br>Good tear strength<br>Good wear resistance<br>High liquidity<br>Good chemical resistance | | |
| Uses | Handle<br>Cable sheath<br>Wire sheath<br>Washer<br>Pipe<br>Pipe fittings<br>Seals<br>Weather-resistant sealing strip<br>Car interior parts | | |
| Agency Ratings | EU 2002/96/EC (WEEE) | | |
| RoHS Compliance | RoHS compliance | | |
| Appearance | Translucent | | |
| Forms | Particle | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Specific Gravity | 1.40 | g/cm³ | ASTM D792, ISO 1183 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore A, 1.90 mm, Compression Molded) | 66 | | ASTM D2240, ISO 868 |

| Elastomers | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Stress | | | |
| 100% strain | 3.10 | MPa | ASTM D412 |
| 100% strain, 1.90mm | 3.10 | MPa | ISO 37 |
| Tensile Strength (Break, 1.90 mm) | 12.2 | MPa | ASTM D412, ISO 37 |
| Tensile Elongation | | | |
| Fracture | 570 | % | ASTM D412 |
| Fracture, 1.90mm | 570 | % | ISO 37 |
| Tear Strength [1] (24°C) | 46.0 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395, ISO 815 |
| 24°C, 22 hr | 34 | % | ASTM D395, ISO 815 |
| 100°C, 22 hr | 83 | % | ASTM D395, ISO 815 |

| Additional Information |
|---|
| The value listed as Specific Gravity, ASTM D792, was tested in accordance with ASTM D471.The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.The value listed as Shore Hardness, ISO 868, was tested in accordance with ISO 48.Permanent Set (Tension), ASTM D412, Compression Molding, 1.9 mm: 13%100% Modulus, ASTM D412, ISO 37, Physical Retention After 7 Days at 125°C, Compression Molding, 1.9 mm: 109%Tensile Strength, ASTM D412, ISO 37, DIN 53504, Physical Retention After 7 Days at 125°C, Compression Molding, 1.9 mm: 96%Elongation At Break, ASTM D412, ISO 37, Physical Retention After 7 Days at 125°C, Compression Molding, 1.9 mm: 91%Hardness, ISO 48, Physical Retention After 7 Days at 125°C, Shore A, Compression Molding, 1.9 mm: 60Viscosity, ASTM D3835, 300 s-1 at 190°C, Compression Molding, 1.9 mm: 232 Pa*sTypical Processing Temperature, Compression Molding, 1.9 mm: 177° CVolume Change, ASTM D471, ISO 1817, After 7 days, 100°C, Water, Compression Molding, 1.9 mm: 7%Volume Change, After 7 days,ASTM D471, ISO 1817, 24°C, Fuel B, Compression Molding, 1.9 mm: 19%Volume Change, After 7 days, ASTM D471, ISO 1817, 100°C, ASTM #1 Oil, Compression Molding, 1.9 mm: -16%Volume Change, After 7 days, ASTM D471, ISO 1817, 100°C, IRM 903 Oil #3, Compression Molding, 1.9 mm: 9% |

| NOTE | |
|---|---|
| 1. | C mould |



## Recommended distributors for this material

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