

INNOPRENE 1730 B

TPE

Kumho Polychem

| Mechanical properties | Value | Unit | Test Standard |
|----------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 8.8 | MPa | ISO 37 |
| Compression set at 70 °C, 24h | 39 | % | ISO 815 |
| Tear strength | 39.2 | kN/m | ISO 34-1 |
| Shore A hardness | 74 | - | ISO 7619-1 |
| ASTM Data | | | |
| Modulus at 100% Elongation | 2.9 | MPa | ASTM D 412 |
| Shore A Hardness | 74 | - | ASTM D 2240 |
| Tear Strength | 39.2 | kN/m | ASTM D 624 |
| Compression Set , 22 hr @ 158 °F | 39 | % | ASTM D 395 |
| Tensile Strength | 8.8 | MPa | ASTM D 412 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 960 | kg/m ³ | ISO 1183 |
| Density | 960 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Pre-drying - Temperature | 85 | °C | - |
| Pre-drying - Time | 3 | h | - |
| Melt temperature | 190 - 230 | °C | - |
| Mold temperature | 10 - 60 | °C | - |
| Zone 1 | 160 - 180 | °C | - |
| Zone 2 | 180 - 200 | °C | - |
| Zone 3 | 200 | °C | - |
| Nozzle temperature | 200 - 220 | °C | - |

| Processing Recommendation Extrusion | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Pre-drying - Temperature | 85 | °C | - |
| Pre-drying - Time | 3 | h | - |
| Melt temperature | 190 - 230 | °C | - |
| Feed temperature | 160 - 170 | °C | - |
| Zone 1 | 180 - 200 | °C | - |
| Zone 2 | 180 - 200 | °C | - |
| Zone 3 | 180 - 200 | °C | - |
| Nozzle temperature | 180 - 210 | °C | - |

Characteristics**Processing**

Injection Molding, Pipe/Tube Extrusion, Profile Extrusion, Sheet Extrusion, Wire/Cable Extrusion, Blow Molding, Calandering

Delivery form

Pellets, Black

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Fatigue Resistance

Chemical Resistance

General Chemical Resistance, Ozone Resistance

Applications

General Purpose

Regional Availability

Asia Pacific