

ISOTHANE® 1177DU

Thermoplastic Polyurethane Elastomer (Polyester)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1177DU series products are engineering thermoplastic polyurethane resin. The product can be injection molded and extruded.

| General Information | | | |
|------------------------------|-------------------|-------------------|-------------|
| Appearance | Clear/Transparent | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.18 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 78 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1430 | MPa | ASTM D638 |
| Tensile Strength | 70.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 280 | % | ASTM D638 |
| Flexural Modulus | 1960 | MPa | ASTM D790 |
| Flexural Strength | 68.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | 280 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 60.0 | °C | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Transmittance (3000 μm) | 90.0 | % | ASTM D1003 |

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