

TPUCO® TPUI-L90

Thermoplastic Polyurethane Elastomer (Polyether)

Taiwan PU Corporation

Message:

TPUCO® TPUI-L90 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) material. It is available in Asia Pacific for injection molding. Important attributes of TPUCO® TPUI-L90 are:

Clarity

Low Temperature Resistant

Wear Resistant

Typical applications include:

Consumer Goods

Sporting Goods

| General Information | | | |
|------------------------------|---------------------------|------|-------------|
| Features | Good Wear Resistance | | |
| | High Clarity | | |
| | Hydrolysis Resistant | | |
| | Low Temperature Resistant | | |
| Uses | Footwear | | |
| | O-rings | | |
| | Sporting Goods | | |
| | Wheels | | |
| Appearance | Clear/Transparent | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Hardness | Nominal Value | | Test Method |
| Durometer Hardness (Shore A) | 90 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Loss | 15.0 | mg | |
| Impact Resilience | 40 | % | |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 8.83 | MPa | |
| 300% Strain | 14.7 | MPa | |
| Tensile Strength (Break) | 39.2 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 650 | % | ASTM D412 |
| Extrusion | Nominal Value | Unit | |
| Cylinder Zone 1 Temp. | 185 | °C | |
| Cylinder Zone 3 Temp. | 190 | °C | |
| Cylinder Zone 5 Temp. | 195 | °C | |

| | | |
|---------------------|-----|----|
| Adapter Temperature | 200 | °C |
| Die Temperature | 200 | °C |

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