

# TPUCO® TPUI-L95

Thermoplastic Polyurethane Elastomer (Polyether)

Taiwan PU Corporation

Message:

TPUCO® TPUI-L95 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) material. It is available in Asia Pacific for injection molding. Important attributes of TPUCO® TPUI-L95 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) | 95                        |      | ASTM D2240  |
| Mechanical                   | Nominal Value             | Unit | Test Method |
| Abrasion Loss                | 15.0                      | mg   |             |
| Impact Resilience            | 35                        | %    |             |
| Elastomers                   | Nominal Value             | Unit | Test Method |
| Tensile Stress               |                           |      | ASTM D412   |
| 100% Strain                  | 10.8                      | MPa  |             |
| 300% Strain                  | 16.7                      | MPa  |             |
| Tensile Strength (Break)     | 44.1                      | MPa  | ASTM D412   |
| Tensile Elongation (Break)   | 500                       | %    | ASTM D412   |
| Extrusion                    | Nominal Value             | Unit |             |
| Cylinder Zone 1 Temp.        | 190                       | °C   |             |
| Cylinder Zone 3 Temp.        | 195                       | °C   |             |
| Cylinder Zone 5 Temp.        | 200                       | °C   |             |

|                     |     |    |
|---------------------|-----|----|
| Adapter Temperature | 205 | °C |
| Die Temperature     | 205 | °C |

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#### Recommended distributors for this material

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