

# TPUCO® TPUE-UE95

Thermoplastic Polyurethane Elastomer (Polyester)

Taiwan PU Corporation

## Message:

TPUCO® TPUE-UE95 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material. It is available in Asia Pacific for extrusion. Primary attribute of TPUCO® TPUE-UE95: Wear Resistant.

Typical applications include:

Hose/Tubing

Conveyors

Film

Sheet

Wire & Cable

| General Information          |                           |      |             |
|------------------------------|---------------------------|------|-------------|
| Features                     | General Purpose           |      |             |
|                              | Good Abrasion Resistance  |      |             |
|                              | Good Wear Resistance      |      |             |
| Uses                         | Conveyors                 |      |             |
|                              | Film                      |      |             |
|                              | Hose                      |      |             |
|                              | Sheet                     |      |             |
|                              | Tubing                    |      |             |
|                              | Wire & Cable Applications |      |             |
| Appearance                   | Clear/Transparent         |      |             |
| Forms                        | Pellets                   |      |             |
| Processing Method            | Extrusion                 |      |             |
| Hardness                     | Nominal Value             |      | Test Method |
| Durometer Hardness (Shore A) | 95                        |      | ASTM D2240  |
| Mechanical                   | Nominal Value             | Unit | Test Method |
| Abrasion Loss                | 5.0                       | mg   |             |
| Impact Resilience            | 28                        | %    |             |
| Elastomers                   | Nominal Value             | Unit | Test Method |
| Tensile Stress               |                           |      | ASTM D412   |
| 100% Strain                  | 9.32                      | MPa  |             |
| 300% Strain                  | 19.1                      | MPa  |             |
| Tensile Strength (Break)     | 38.2                      | MPa  | ASTM D412   |
| Tensile Elongation (Break)   | 660                       | %    | ASTM D412   |
| Extrusion                    | Nominal Value             | Unit |             |
| Cylinder Zone 1 Temp.        | 175                       | °C   |             |
| Cylinder Zone 3 Temp.        | 180                       | °C   |             |

|                       |     |    |
|-----------------------|-----|----|
| Cylinder Zone 5 Temp. | 185 | °C |
| Adapter Temperature   | 190 | °C |
| Die Temperature       | 210 | °C |

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