

TPU—E4190



Technical Data Sheet

Thermoplastic Polyurethane

- **Application:** Cable, Tube, Air hose, Conveyor belt, Elastic tape, Straps and film etc.
- **Description:** Polyester-based TPU.
- **Processing methods:** Extrusion
- **Characteristics:** Excellent physical properties, Easy & stable processing, Hydrolysis resistance, reusable properties.
- **Properties:**

Item	Test Method	Value
Yellow index(Yi)	ASTM-E313	1.3
Specific gravity(g/cm ³)	ASTM-D792	1.21
Hardness(Shore A)	ASTM-2240	90±1
Tensile strength(Mpa)	ASTM-D412	46
100% Modulus(Mpa)	ASTM-D412	12.5
300% Modulus(Mpa)	ASTM-D412	21
Elongation at break(%)	ASTM-D412	530
Tear strength (KN/m)	ASTM-D624	178
Abrasion(mm ³)	ASTM-D5963	40
Flowing beginning Point.(°C)	/	196
Processing temperature (°C)	/	180-210

■ Processing & Guide

For optimum results, previous drying of the product 2-3 hours under 100~110°C is advisable, in a hot air circulatory, vacuum desiccator-air dryer.

■ Package & Storage

25kg/bag.

Never put opened packages exposed in open air for prolonged periods of time during processing. Because of the high moisture absorbing property, TPU products should be well stored in a dry, cool and shady area.

■ Note

These are typical values and should not be used as specifications.

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