

# TPU—E4180



## 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	1.2
Specific gravity(g/cm <sup>3</sup> )	ASTM-D792	1.19
Hardness(Shore A)	ASTM-2240	85±1
Tensile strength(Mpa)	ASTM-D412	37
100% Modulus(Mpa)	ASTM-D412	8.5
300% Modulus(Mpa)	ASTM-D412	16
Elongation at break(%)	ASTM-D412	590
Tear strength (KN/m)	ASTM-D624	118
Abrasion(mm <sup>3</sup> )	ASTM-D5963	42
Flowing beginning Point.(°C)	/	182
Processing temperature (°C)	/	170-200

#### ■ 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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