

TPU—E2180



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	1.23
Hardness(Shore A)	ASTM-2240	81±1
Tensile strength(Mpa)	ASTM-D412	30
100% Modulus(Mpa)	ASTM-D412	7.5
300% Modulus(Mpa)	ASTM-D412	10
Elongation at break(%)	ASTM-D412	520
Tear strength (KN/m)	ASTM-D624	100
Abrasion(mm ³)	ASTM-D5963	48
Flowing beginning Point.(°C)	/	176
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.

SHANDONG INOV POLYURETHANE CO., LTD.

Add: Polymer and Auxiliary Material Zone, High-Tech District, Zibo City, Shandong Province,

China Tel: +86-533-3598719

Web: <http://www.inov-chem.com>