

# TPU—T3165U



## Technical Data Sheet

### Thermoplastic Polyurethane

#### ■ Feature

##### Polyester-based

Easy processing, Shorter cycle time, High transparency, UV resistance, Over-molding and other injection method for shoe application.

#### ■ Properties

Item	Test Method	Value
Yellow Index(Yi)	ASTM-E313	1.5
Specific gravity (g/cm <sup>3</sup> )	ASTM-D792	1.2
Hardness (Shore A)	ASTM-2240	65±1
Tensile strength (MPa)	ASTM-D412	22
100% Modulus (MPa)	ASTM-D412	3.5
300% Modulus (MPa)	ASTM-D412	5.5
Elongation at break (%)	ASTM-D412	860
Tear strength (KN/m)	ASTM-D624	65

#### ■ Processing Guide

For optimum results, previous drying of the product during 3-4 hours at 90~100°C is advisable, in a hot air circulatory, vacuum desiccate-air dryer.

Product	Feed (°C)	Transport(°C)	Nozzle (°C)
90	180	190	180

#### ■ Package & Storage

25kg/bag

Never put opened packages exposed in open air for prolonged periods of time during molding and 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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