

## Technical Data Sheet

**Polyester-based TPU**

- **Features**

Super Soft, Good Abrasion Resistance, Low Temperature Flexibility, Favorable Hand Feeling.

- **Applications**

Injection Molding, Compounding etc.

- **Properties**

Properties	Standard	Unit	Value
<b>Physical Properties</b>			
Density	ASTM D792	g/cm <sup>3</sup>	<b>1.18</b>
Hardness	ASTM D2240	Shore A	<b>57</b>
	ASTM D2240	Shore D	
<b>Mechanical Properties</b>			
Tensile Strength	ASTM D412	MPa	<b>18</b>
100% Modulus	ASTM D412	MPa	<b>2</b>
300% Modulus	ASTM D412	MPa	<b>4</b>
Elongation at Break	ASTM D412	%	<b>800</b>
Tear Strength	ASTM D624	KN/m	<b>60</b>
Abrasion	DIN 53516	mm <sup>3</sup>	<b>120</b>
<b>Thermal Properties</b>			
Tg (DSC,10°C/min)	DSC	°C	<b>- 30</b>

Note: The above values are shown as typical values and should not be used as specifications.

**Package: 25kg/bag;**

- **Processing Guide**

For optimum results, the pellets should be dried at 90~100°C for 3-4 hours in a hot air circulatory, vacuum or desiccant-air dryer. The suggested processing-temperature profiles for injection & extrusion are depicted in the figure below.

**Injection :**

Zones	Set Value
Nozzle(°C)	185
Metering(°C)	180
Compression(°C)	175
Feeding(°C)	170
Pressure(kg)	80

- **Environmental & Healthy & Safety**

Take MSDS for reference.