

## Technical Data Sheet ---G85

Polyester-----based TPU (Thermoplastic Polyurethane)

### 1. Feathers:

Excellent mechanical properties, excellent transparency, stable basic properties, rapid prototyping.

### 2. Applications

Automobile, agriculture, clothing, footwear, injection molding products etc

### 3. Properties

Properties	Standard	Unit	Value
<b>Physical Properties</b>			
Density	ASTM D792	g/cm	1.19
Hardness	ASTM D2240	Shore A	85
	ASTM D2240	Shore D	/
<b>Mechanical Properties</b>			
100% Modulus	ASTM D412	MPa	7.25
300% Modulus	ASTM D412	MPa	17.06
Tensile Strength	ASTM D412	MPa	44.28
Tear strength	ASTM D624	N/mm	117.21
MFI(195° C&5KG)	-	g/10min	7.5
Elongation at Break	ASTM D412	%	553
<b>Tg</b>	DSC	°C	-40

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

**4. Package:** 25kg/bag.

### 5. Processing Guide

For optimum results, previous drying of the product during 3-4hours at 100-110°C is available, in a hot air circulatory, vacuum or desiccant-air dryer.

### 6. Environmental & Healthy & Safety

Take MSDS for reference.