

# TPUCO® TPUI-L85

Thermoplastic Polyurethane Elastomer (Polyether)

Taiwan PU Corporation

Message:

TPUCO® TPUI-L85 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) material. It is available in Asia Pacific for injection molding. Important attributes of TPUCO® TPUI-L85 are:

Clarity

Low Temperature Resistant

Wear Resistant

Typical applications include:

Consumer Goods

Sporting Goods

General Information			
Features	Good Wear Resistance		
	High Clarity		
	Hydrolysis Resistant		
	Low Temperature Resistant		
Uses	Footwear		
	O-rings		
	Sporting Goods		
	Wheels		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	15.0	mg	
Impact Resilience	40	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	8.34	MPa	
300% Strain	11.8	MPa	
Tensile Strength (Break)	35.3	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	175	°C	
Cylinder Zone 3 Temp.	180	°C	
Cylinder Zone 5 Temp.	185	°C	

Adapter Temperature	190	°C
Die Temperature	190	°C

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

