

Texalan® 6 Series 685A

Thermoplastic Polyurethane Elastomer (Ester/Ether)

Austin Novel Materials Co. Ltd.

Message:

Texalan® 6 Series 685A is a Thermoplastic Polyurethane Elastomer (Ester/Ether) (TPU-Ester/Ether) material. It is available in Asia Pacific, Europe, or North America for blow molding, calendering, coextrusion, extrusion, film extrusion, or injection molding.

Important attributes of Texalan® 6 Series 685A are:

- Chemical Resistant
- High Strength
- Impact Resistant
- Low Temperature Resistant
- Wear Resistant

General Information	
Features	Good Abrasion Resistance
	High Elasticity
	High Impact Resistance
	High Tensile Strength
	Low Temperature Resistant
	Oil Resistant
Processing Method	Blow Molding
	Calendering
	Coextrusion
	Extrusion
	Film Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.18 to 1.22	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	82 to 88		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	< 55.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	> 5.20	MPa	
300% Strain	> 10.0	MPa	
Tensile Stress (Yield)	> 36.0	MPa	ISO 37
Tensile Elongation (Break)	> 570	%	ISO 37
Tear Strength	> 60	kN/m	ISO 34-1
Compression Set (70°C)	< 40	%	ISO 815

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Recommended distributors for this material

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