

Generic TPU Alloy

Thermoplastic Polyurethane Elastomer Alloy

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic TPU Alloy
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11 to 1.23	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	45 to 98		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	0.483 to 7.76	MPa	ASTM D638
Taber Abrasion Resistance (23°C)	18.8 to 65.6	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 23°C)	1.60 to 14.7	MPa	ASTM D412
Tensile Strength (Yield, 23°C)	28.4 to 54.1	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	350 to 690	%	ASTM D412
Tear Strength (23°C)	49.0 to 147	kN/m	ASTM D624
Compression Set	21 to 44	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-53.6 to -28.0	°C	DSC
Vicat Softening Temperature	87.9 to 147	°C	ASTM D1525

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