

HiFill® TPU 85A 0152 S1

Thermoplastic Polyurethane Elastomer

Techmer Engineered Solutions

Message:

HiFill® TPU 85A 0152 S1 is a Thermoplastic Polyurethane Elastomer product filled with metal. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Metal		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (A-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	54.5	MPa	ASTM D638
Tensile Elongation (Break)	560	%	ASTM D638
Flexural Modulus	86.2	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7.58	MPa	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.8	°C	ASTM D1525

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Recommended distributors for this material

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