

HiFill® TPU 85A 0152 S1

 Techmer Polymer Modifiers - *Thermoplastic Polyurethane Elastomer*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Metal
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.52		ASTM D792
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	7900	psi	ASTM D638
Tensile Elongation (Break)	560	%	ASTM D638
Flexural Modulus	12500	psi	ASTM D790
Elastomers			
Tensile Strength (Yield)	1100	psi	ASTM D412
Hardness			
Rockwell Hardness (A-Scale)	85		ASTM D785
Thermal			
Vicat Softening Temperature	163	°F	ASTM D1525

Notes
¹ Typical properties: these are not to be construed as specifications.
