

HiFill® TPU 92A Ether

 Techmer Polymer Modifiers - *Thermoplastic Polyurethane Elastomer (Polyether)*
General Information
Product Description

G35

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6000	psi	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Elongation Set After Break	490	%	ASTM D412
Tear Strength	540	lbf/in	ISO 34-1
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	12	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Shore Hardness (Shore A)	86 to 94		ISO 868
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	248	°F	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
Cured Properties	Nominal Value	Unit	Test Method
Compression Set (73°F)	25	%	

