

HiFill® PSU/ABS 1000

Techmer Polymer Modifiers - *Polysulfone*

General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Tensile Elongation (Break)	3.8	%	ASTM D638
Flexural Modulus	2170	MPa	ASTM D790
Flexural Strength	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	320	J/m	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	22	kV/mm	ASTM D149

