

HiFill® PC/ABS FR 6218

 Techmer Polymer Modifiers - *Polycarbonate + ABS*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
Features	• Flame Retardant • Halogen Free
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Break)	8200	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength	15000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (73°F, 0.125 in)	9.5	ft·lb/in	ASTM D256
Instrumented Dart Impact (73°F, Total Energy)	520	in·lb	ASTM D3763
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	200 to 212	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	190 to 202	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Electrical			
Nominal Value Unit Test Method			
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Flammability			
Nominal Value Unit Test Method			
Flame Rating (0.06 in, NATURAL)	V-0		UL 94

