

HiFill® PC/ABS FR 6218

Polycarbonate + ABS
Techmer Engineered Solutions

Message:

HiFill® PC/ABS FR 6218 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Flame Retardant
Halogen Free

General Information			
UL YellowCard	E253782-101773914		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	56.5	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	510	J/m	ASTM D256
Instrumented Dart Impact (23°C, Total Energy)	58.8	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3 to 100	°C	
1.8 MPa, Unannealed	87.8 to 94.4	°C	
CLTE - Flow	7.2E-5	cm/cm/°C	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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

