

HiFill® PPS 0334 A

Polyphenylene Sulfide
Techmer Engineered Solutions

Message:

HiFill® PPS 0334 A is a Polyphenylene Sulfide (PPS) product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
Features	High Density		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	89.6	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	280	°C	
1.8 MPa, Unannealed	266	°C	
CLTE - Flow	1.6E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	1.7	W/m/K	ASTM C177
RTI Elec (1.50 mm)	220	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+4 to 1.0E+6	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.399 mm	V-0		
1.00 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	163	°C	

Drying Time	4.0	hr
Rear Temperature	288 to 304	°C
Middle Temperature	316 to 343	°C
Front Temperature	310 to 332	°C
Nozzle Temperature	316 to 332	°C
Processing (Melt) Temp	324 to 338	°C
Mold Temperature	129 to 163	°C

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Recommended distributors for this material

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