

Fitex PPS Resin

Properties	Standards	Test Conditions	Units	1340L (GF40%)	1340L30 (GF30%)
Mechanical Properties					
Izod Impact Strength	ASTM D256	V-Notched 1/8" 23°C	J/m kgf·cm/cm ft·lbf/in	100 10 1.87	88 9 1.65
Tensile Strength at break	ASTM D638	---	MPa kgf/cm ² lbf/in ²	160 1630 23300	150 1530 21700
Tensile Elongation at break	ASTM D638	---	%	1.9	1.9
Flexural Strength	ASTM D790	---	MPa kgf/cm ² lbf/in ²	230 2350 33400	206 2100 29700
Flexural Modulus	ASTM D790	---	MPa kgf/cm ² lbf/in ²	13200 135000 1916000	9300 95000 1346000
Rockwell Hardness	R scale	---	---	123	123
Thermal Properties					
Flammability	UL-94	---	---	V-0 (0.75 mm)	V-0 (0.75 mm)
Heat Deflection Temperature	ASTM D648	---	°C	>260	>260
			°F	>500	>500
Physical Properties					
Specific Gravity	ASTM D792	---	---	1.66	1.55
Water Absorption	ASTM D570	24 hrs @23°C Water immersion	%	0.02	0.02
Mould shrinkage	ASTM D995	MD/TD	%	0.3/0.8	0.3/0.8
Electrical Properties					
Dielectric Strength	ASTM D149	3.2 mm	kv/mm	16	16
Dielectric Constant	ASTM D150	10 ⁶ Hz	---	4	4
Volume Resistivity	ASTM D257	---	Ω · cm	10 ¹⁶	10 ¹⁶

To our best knowledge, the values contained herein are given in good faith. However, no warranty, express or implied is made nor is liability accepted in connection with this information. Actual values of each production lot may vary within normal tolerances. All properties given are typical of uncolored PPS and may be affected by colorants, other additives, the design of a mold/die, molding techniques applied, the size and shape of a molded article. In view of these factors, the properties do not relieve customers from carrying out their own investigations and tests. It is entirely customer's responsibility to determine the suitability of any information for any contemplated use. We reserve the right to make additions, deletions, or modifications to the information at any time without prior notification. (30.1.2014)