

# Eitex PEI

Grade : RPEI-10G30 (GF30%)

Color : Natural

Properties	Standards	Test Conditions	Units	RPEI-10G30 (GF30%)
<b>Mechanical Properties</b>				
Izod Impact Strength	ASTM D256 ASTM D4812	V-Notched 1/8 23°C Unnotched 1/8" 23°C	J/m	125 837
Tensile Strength at break	ISO 527	4.0t 23°C	Mpa	190
Tensile Elongation at break	ISO 527	4.0t 23°C	%	5
Flexural Strength	ISO 178	4.0t 23°C	Mpa	275
Flexural Modulus	ISO 178	4.0t 23°C	Mpa	11900
<b>Thermal Properties</b>				
Flammability	UL-94	1.7mm	---	(Equiv V-0)
Heat Deflection Temperature	JIS K7191-2	1.8sMpa	°C	220
			°F	428
Melt Flow Rate	ISO 1133-1	337°C 5.0kgf	g/10 min.	—
<b>Physical Properties</b>				
Specific Gravity	ASTM D792	---	---	1.51
Water Absorption	ASTM D570	24 hrs @23°C Water immersion	%	0.16
Mould shrinkage	ISO 294	Parallel Across	%	0.2/0.4 0.2/0.5
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149	3.2 mm	kv/mm	25
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	---	3.7
Dielectric Dissipation Factor	ASTM D150	10 <sup>6</sup> Hz	—	0.0015
Volume Resistivity	ASTM D257	---	Ω · cm	10 <sup>16</sup>

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Kotec Corporation