

Eitex PEI

Grade : RPEI-10

Color : Natural

Properties	Standards	Test Conditions	Units	RPEI-10
Mechanical Properties				
Izod Impact Strength	ASTM D256 ASTM D4812	V-Notched 1/8 23°C Unnotched 1/8" 23°C	J/m	30 No break
Tensile Strength at break	ISO 527	4.0t 23°C	Mpa	110
Tensile Elongation at break	ISO 527	4.0t 23°C	%	13
Flexural Strength	ISO 178	4.0t 23°C	Mpa	165
Flexural Modulus	ISO 178	4.0t 23°C	Mpa	3500
Thermal Properties				
Flammability	UL-94	1.7mm	---	(Equiv V-0)
Heat Deflection Temperature	ISO 75	1.8sMpa	°C	197
			°F	386
Melt Flow Rate	ISO 1133-1	337°C 5.0kgf	g/10 min.	12
Physical Properties				
Specific Gravity	ASTM D792	---	---	1.28
Water Absorption	ASTM D570	24 hrs @23°C Water immersion	%	—
Mould shrinkage	ISO 294	Parallel Across	%	0.5/0.7 —
Electrical Properties				
Dielectric Strength	ASTM D149	3.2 mm	kv/mm	33
Dielectric Constant	ASTM D150	10 ⁶ Hz	---	3.15
Dielectric Dissipation Factor	ASTM D150	10 ⁶ Hz	—	0.001
Volume Resistivity	ASTM D257	---	Ω · cm	10 ¹⁶

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