

Impact modified grades / Glass fiber reinforced

20% glass-reinforced, impact-modified polycarbonate/PET polyester blend

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Melt flow rate	265 °C; 5 kg	g/(10 min)	ASTM D 1238	9.0 - 17
Mechanical properties (23 °C/50 % r.h.)				
Tensile stress at yield		lb/in ²	ASTM D 638	13000
Tensile elongation at yield		%	ASTM D 638	5.0
Tensile elongation at break		%	ASTM D 638	5.0
Tensile stress at break		lb/in ²	ASTM D 638	12000
Izod notched impact strength	73 °F, 0.125 in	ft·lb/in	ASTM D 256	2.4
Flexural modulus		lb/in ²	ASTM D 790	850000
Flexural stress at 5 % strain		lb/in ²	ASTM D 790	23600
Rockwell hardness		R Scale	ASTM D 785	115
Thermal properties				
Deflection temperature under load, Unannealed	264 psi; 0.250 in	°F	ASTM D 648	252
Deflection temperature under load, Unannealed	66 psi; 0.250 in	°F	ASTM D 648	354
Relative temperature index, mechanical with impact	Thickness tested: 1.5 mm	°C	UL 746 B	75
Relative temperature index, electrical	Thickness tested: 1.5 mm	°C	UL 746 B	75
Relative temperature index, mechanical without impact	Thickness tested: 1.5 mm	°C	UL 746 B	75
Electrical properties (23 °C/50 % r.h.)				
Dissipation factor, Tinfoil electrodes	1 MHz	-	ASTM D 150	0.009
Volume resistivity, Tinfoil electrodes		Ohm·m	ASTM D 257	1.4 E13
Dielectric constant, Tinfoil electrodes	1 MHz	-	ASTM D 150	3.3
Other properties (23 °C)				
Water absorption	73 °F; immersion to saturation	%	ASTM D 570	0.23
Density		lb/in ³	ASTM D 792	0.05

