

Properties	Test Method	Terms	Units	5010GN6-20M4
				GF
				20
Physical properties				
Density	ISO 1183	-	g/cm ³	1.56
Water absorption	-	23degC, Underwater	%	0.08
Rheological properties				
Melt Mass-flow Rate	ISO 1133	Temperature	g/10min	49
Melt Volume-flow Rate			cm ³ /10min	35
			degC	250
		Load	kg	5.00
Moulding shrinkage(2mmt)	-	MD	%	0.4
		TD		1.4
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	-	MPa	-
Yield stress				
Yield strain			%	-
Nominal strain at break				-
Stress at 50% strain			MPa	-
Stress at break				120
Strain at break	%		2.3	
Flexural strength	ISO 178	-	MPa	180
Flexural modulus				7300
Charpy notched impact strength	, 179-2	23 degC	kJ/m ²	7
Thermal properties				
Melting temperature	ISO 11357-3		degC	224
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa 0.45MPa	degC	205 220
Coefficient of Linear thermal expansion	ISO 11359-2	MD TD	*10 ⁻⁵ 1/degC	3.E-05 6.E-05
Flammability	UL94	0.8mmt	-	V-0
Electrical properties				
Relative permittivity	IEC 60250	100Hz 1MHz	- -	- 3.6
Dissipation factor	IEC 60250	100Hz 1MHz	- -	- 0.015
Volume resistivity	IEC 60093	-	ohm-m	1.E+14
Surface resistivity	IEC 60093	-	ohm	1.E+15
Electric strength	IEC 60243-1	1mmt	MV/m	24

The listed properties are portrayed as general information only and are not product specifications.
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