

1st Choice for Quality and Value



Claritex technical datasheet

PROPERTIES			
Physical Properties	Unit	Test Method	Value
Physical			
Specific Gravity, 23°C	--	ASTM D-792	1.20
Melt Flow Index, 300°C, 1.2kg	G/10min.	ASTM D1248	5.0
Water Absorption, 24 hrs. 73°F	%	ASTM D-570	0.23-0.26
Mold Shrinkage	%	3mm thick, 100mm diam. disk	0.5-0.8
Optical			
Light transmission (3mm thick)	%	ASTM D-1003	85-89%
Refractive Index	%	ASTM D-542	1.585%
Mechanical			
Tensile Strength, yield, 0.125"	PSI (MPa)	ASTM D-638	8,750 (60)
Tensile Elongation, break, 0.125"	%	ASTM D-638	120
Flexural Strength, 0.125"	PSI (MPa)	ASTM D-790	12,325 (85)
Flexural Modulus, 0.125"	10X5 PSI (MPa)	ASTM D-790	3.3 (2,300)
Rockwell Hardness	R-Scale	ASTM D-785	122
Impact			
Izod Impact Str., Notched, 0125"	--	ASTM D-256	16.8 (900)
Thermal			
Heat Deflection Temp. @66PSI	°F (°C)	ASTM D-648	284 (140)
Heat Deflection Temp. @264PSI	°F (°C)	ASTM D-648	275 (135)
Flame Class			
Flammability	0.0625"	UL94	NB
Electrical			
Dielectric Strength	Volts/mil	ASTM D-149	508
Dielectric Constant 60Hz	--	ASTM D-150	2.850
Dielectric Factor 60Hz	--	ASTM D-150	.0082

☎ 32-9-216 6709

✉ info@rtape.be ☎ 32-9-216 6700

R Tape Europe:

R Tape
Tech
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