

TRIEX® Compound 3500G20

Polycarbonate
Samyang Corporation

Message:

TRIEX® Compound 3500G20 is a Polycarbonate (PC) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E121254-220631	E257054-521397	E366374-101723927
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	108	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	5390	MPa	ASTM D790
Flexural Strength (Yield)	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	151	°C	
1.8 MPa, Unannealed	147	°C	
CLTE - Flow	2.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms · cm	ASTM D257
Dielectric Strength	31	kV/mm	ASTM D149
Dielectric Constant	3.11		ASTM D150
Dissipation Factor	9.7E-3		ASTM D150
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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