

POLLITE 1001C

Polycarbonate
POLYROCKS CHEMICAL CO., LTD

Message:

POLLITE 1001C is a Polycarbonate (PC) product. It is available in Asia Pacific. Applications of POLLITE 1001C include electrical/electronic applications and outdoor applications.
Characteristics include:
Flame Rated
Flame Retardant
Heat Resistant
Impact Resistant

General Information			
Features	Flame Retardant		
	High Heat Resistance		
	High Impact Resistance		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E253482		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2050	MPa	ASTM D790
Flexural Strength	75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
--	600	J/m	
-35°C	430	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	105	°C	

Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	80.0	°C

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