

# Polyrocks 1001T

Polycarbonate  
Polyrocks Chemical Co., Ltd

Message:

1001T is halogen-free flame retardant environmental PC, which has excellent mechanical properties, good processability and light transmittance. The flammability can reach UL 94 V-0 (3.0mm) and LOI is over 35%. 1001T has passed UL certification and meets the requirements of RoHS, SVHC, 17P, PAHs...etc.

General Information			
Features	High Light Transmission		
	Workability, good		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	22	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.0	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm	V-2		UL 94
3.0 mm	V-0		UL 94
Oxygen Index	35	%	ASTM D2863

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