

TAROLOY 50 Z1

Polycarbonate + PBT

Taro Plast S.p.A.

Message:

TAROLOY 50 Z1 is a polycarbonate polybutene terephthalate (PC PBT) product. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

Impact resistance

Impact modification

Good dimensional stability

chemical resistance

General Information			
Additive	Impact modifier (5%)		
Features	Good dimensional stability		
	Impact modification		
	Impact resistance, good		
	Low temperature impact resistance		
	Good chemical resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			ASTM D955
Flow: 3.20mm	0.80 - 1.1	%	ASTM D955
Transverse flow: 3.20mm	0.80 - 1.1	%	ASTM D955
Water Absorption			ISO 62
23°C, 24 hr	0.080	%	ISO 62
Saturated, 23°C	0.30	%	ISO 62
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	90.0	°C	ASTM D648
Vicat Softening Temperature	160	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Additional Information			
CTI, IEC 60112, Method A: 200 VNotched Izod, ISO 180, -20°C: 500 J/mNotched Izod, ISO 180, 23°C: 900 J/m			
NOTE			
1.	速率 A (50°C/h), 压力1 (10N)		

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