

TAROLOY 110

Polycarbonate + PET

Taro Plast S.p.A.

Message:

PC/PET alloy, high impact strength dimensional stability. Good chemical and weather resistance.
Available: all colors, UV stabilized (L), heat stabilised (H), release agent (W).

General Information			
Additive	Heat Stabilizer		
	Mold Release		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Mold Release		
	Good UV Resistance		
	Good Weather Resistance		
	Heat Stabilized		
	High Impact Resistance		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/1.2 kg)	12	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.60 to 1.0	%	
Across Flow	0.60 to 1.0	%	
Water Absorption			
23°C, 24 hr	0.080	%	ASTM D570, ISO 62
Saturation	0.35	%	ASTM D570
Saturation, 23°C	0.35	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	65.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	40	%	ASTM D638, ISO 527-2
Flexural Modulus	2150	MPa	ASTM D790, ISO 178
Flexural Stress			
--	90.0	MPa	ISO 178

Yield	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	700	J/m	ASTM D256, ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50, ASTM D1525 1
CLTE - Flow (-30 to 30°C)	8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	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
Injection	Nominal Value	Unit	
Drying Temperature			
--	110	°C	
Pre-heater	110 to 120	°C	
Drying Time			
--	2.0	hr	
Pre-heater	2.0 to 4.0	hr	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	80.0 to 110	°C	
Injection Rate	Moderate		
NOTE			

1. Rate A (50°C/h), Loading 1 (10 N)

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WECHAT