

TAROLON 3000 Y0

Polycarbonate

Taro Plast S.p.A.

Message:

Polycarbonate self extinguishing UL 94 V0 halogen free.
Available: all colors transparent, release agent (W), heat stabilized (H), UV-stabilized (L)

General Information			
Additive	Heat Stabilizer		
	Mold Release		
	UV Stabilizer		
Features	Good Mold Release		
	Good UV Resistance		
	Halogen Free		
	Heat Stabilized		
	Self Extinguishing		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.50 to 0.70	%	
Across Flow	0.50 to 0.70	%	
Water Absorption			
23°C, 24 hr	0.12	%	ASTM D570, ISO 62
Saturation	0.35	%	ASTM D570
Saturation, 23°C	0.35	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	70	%	ASTM D638, ISO 527-2
Flexural Modulus	2500	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	30	kJ/m ²	ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	650	J/m	ISO 180, ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A50, ASTM D1525 2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	225	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.20 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
Oxygen Index	> 35	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	100 to 110	°C	
Pre-heater	120 to 130	°C	
Drying Time			
--	1.0 to 2.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	90.0 to 110	°C	
Injection Rate	Fast		
NOTE			
1.	6x4x50 mm		
2.	Rate A (50°C/h), Loading 1 (10 N)		

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