

TAROMID B 240 MT2 Y2

Polyamide 6

Taro Plast S.p.A.

Message:

Polyamide 6 medium low viscosity 10% mineral filled, halogen free flame retardant UL94 V2, good flame proofing also at low thicknesses, good flow and good mechanical properties. Very high CTI value.

General Information			
UL YellowCard	E143048-100069779		
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Additive	Flame retardancy		
Features	Good liquidity		
	Halogen-free		
	Medium and low viscosity		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.80	%	Internal method
Flow direction	0.70	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	2.0	%	ISO 62
Saturated, 23°C	6.5	%	ISO 62
Granule Humidity ¹		%	
Reinforcement Content ² (850°C)	10	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ISO 527-2/1
Tensile Stress (Break)	72.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus ³	3800	MPa	ISO 178
Flexural Stress ⁴	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Notched Izod Impact (23°C)	3.50	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Ball Pressure Test (170°C)	Pass		IEC 60695-10-2
Melting Temperature	222	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.970 mm	V-2		UL 94
1.50 mm	V-2		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 mm)	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	80.0 - 90.0	°C	
Injection Rate	Moderate		
Injection instructions			
Pre-heat Temperature: 80 to 100°CPre-heat Time: 3 hr			
NOTE			
1.	TARO 002		
2.	1 hr		
3.	1.0 mm/min		
4.	1.0 mm/min		
5.	120°C/hr		

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