

TAROMID B 240 NG4 Y2

Polyamide 6

Taro Plast S.p.A.

Message:

Polyamide 6 medium low viscosity 20% glass fibres reinforced, halogen free flame retardant UL94 V2, good flame proofing also at low thickness, good flow and good mechanical properties. High CTI value.

General Information			
UL YellowCard	E143048-100187499		
Filler / Reinforcement	Glass fiber reinforced material, 20% 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	1.34	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	0.55	%	Internal method
Flow direction	0.45	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	1.5	%	ISO 62
Saturated, 23°C	6.0	%	ISO 62
Granule Humidity ¹		%	
Reinforcement Content ² (850°C)	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6400	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.5	%	ISO 527-2/50
Flexural Modulus ³	5500	MPa	ISO 178
Flexural Stress ⁴	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.7	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	19	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Notched Izod Impact (23°C)	3.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed)	202	°C	ISO 75-2/A

Vicat Softening Temperature	210	°C	ISO 306/B50
Ball Pressure Test (175°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 (0.970 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
Oxygen Index	25	%	ASTM D2863
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

