TAROMID B 280 G2 X0

Polyamide 6

Taro Plast S.p.A.

Message:

Polyamide 6 medium viscosity 10% glass fibres reinforced, flame retardant UL94 V0, heat stabilized, good flame proofing also at low thickness, good flow and good mechanical properties.

General Information			
UL YellowCard	E143048-223238		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	heat stabilizer Flame retardancy		
Features	Good liquidity Thermal Stability Flame retardancy		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.24 - 1.26	g/cm³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	0.75 - 0.95	%	Internal method
Flow direction	0.45 - 0.60	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	1.5	%	ISO 62
Saturated, 23°C	7.0	%	ISO 62
Granule Humidity [1]		%	
Reinforcement Content [2] (850°C)	10	%	ISO 3451
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5800	MPa	ISO 527-2/1
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus [3]	5600	MPa	ISO 178
Flexural Stress [4]	110	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.2	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [5] (1.8 MPa, Unannealed)	165	°C	ISO 75-2/A
Continuous Use Temperature			IEC 60216
-- [6]	110	°C	IEC 60216

-- [7]	130	°C	IEC 60216
Vicat Softening Temperature			
--	208	°C	ISO 306/A50
--	202	°C	ISO 306/B50
Ball Pressure Test (170°C)	Pass		IEC 60695-10-2
Melting Temperature	222	°C	ISO 11357-3
CLTE - Flow (-30 to 30°C)	4.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.970 mm)	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.60 mm)	825	°C	IEC 60695-2-13
Oxygen Index	30	%	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		
6.	20,000 hr		
7.	Short term		

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


WECHAT