

TAROMID B 280 Z2 G6

Polyamide 6

Taro Plast S.p.A.

Message:

Polyamide 6 medium viscosity 30% glass fibres reinforced, elastomer modified.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Medium viscosity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30 - 1.32	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.60 - 0.80	%	Internal method
Flow direction	0.25 - 0.35	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	0.70 - 0.90	%	ISO 62
Saturated, 23°C	5.5	%	ISO 62
Granule Humidity ¹			%
Reinforcement Content ² (750°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7700	MPa	ISO 527-2/1
Tensile Stress (Break)	135	MPa	ISO 527-2/50
Tensile Strain (Break)	6.0	%	ISO 527-2/50
Flexural Modulus ³	7200	MPa	ISO 178
Flexural Stress ⁴	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	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	212	°C	ISO 306/B50
Melting Temperature	222	°C	ISO 11357-3
CLTE - Flow (-30 to 30°C)	3.0E-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)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Oxygen Index	23	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	80.0 - 110	°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

