TAROMID A 280 G3 K3

Polyamide 66

Taro Plast S.p.A.

Message:

Polyamide 66 medium viscosity 30% glass beads/glass fibres reinforced, very good surface finish and dimensional stability.

General Information			
Filler / Reinforcement	Glass Beads \Glass Fiber, 30% Filler by Weight		
Features	Good dimensional stability Excellent appearance Medium viscosity		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.33 - 1.35	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.80 - 1.0	%	Internal method
Flow direction	0.45 - 0.55	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	0.50	%	ISO 62
Saturated, 23°C	5.3	%	ISO 62
Granule Humidity [1]		%	
Reinforcement Content [2] (750°C)	30	%	ISO 3451
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5700	MPa	ISO 527-2/1
Tensile Stress (Break)	100	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Flexural Modulus [3]	5400	MPa	ISO 178
Flexural Stress [4]	160	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	18	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [5] (1.8 MPa, Unannealed)	217	°C	ISO 75-2/A
Continuous Use Temperature			IEC 60216
-- [6]	90.0	°C	IEC 60216
-- [7]	130	°C	IEC 60216

Vicat Softening Temperature			
--	245	°C	ISO 306/A50
--	230	°C	ISO 306/B50
Ball Pressure Test (205°C)	Pass		IEC 60695-10-2
Melting Temperature	255	°C	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	7.0E+15	ohms·cm	IEC 60093
Dielectric Strength (2.00 mm)	21	kV/mm	IEC 60243-1
Dielectric Constant	3.80		IEC 60250
Comparative Tracking Index			IEC 60112
Solution a	500	V	IEC 60112
Solution B	300	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Oxygen Index	27	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	70.0 - 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, 120 H		
7.	Short term, 160 H		

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