

TAROMID B 280 G4 X2

Polyamide 6

Taro Plast S.p.A.

Message:

Polyamide 6, glass fiber reinforced 20%, UL94 V2 self extinguishing, good flow and good mechanical properties.
Available: all colors, heat stabilized (H), release agent (W), and without PBDE/PBDF.

General Information			
UL YellowCard	E143048-474373		
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	heat stabilizer		
	demoulding		
Features	Good liquidity		
	Thermal Stability		
	Good demoulding performance		
	Self-extinguishing		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.40 - 0.55	%	ASTM D955
Transverse flow	0.75 - 1.2	%	ASTM D955
Water Absorption			
23°C, 24 hr	1.6	%	ASTM D570, ISO 62
Saturation	7.4	%	ASTM D570
Saturated, 23°C	7.4	%	ISO 62
Granule Humidity		%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6400	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	110	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.4	%	ASTM D638, ISO 527-2
Flexural Modulus	6000	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	4.4	kJ/m ²	ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	50	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	204	°C	ASTM D1525, ISO 306/A50 4 ²
--	200	°C	ASTM D1525, ISO 306/B50 5 ³
Ball Pressure Test (165°C)	Pass		VDE 0470
Melting Temperature	222	°C	ASTM D211, ISO 121
CLTE - Flow (-30 to 30°C)	4.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Comparative Tracking Index (Solution A)	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		UL 94
3.00 mm	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm)	850	°C	IEC 60695-2-13
Oxygen Index	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 - 90.0	°C	
Pre-drying equipment	80.0 - 100	°C	
Drying Time			
--	1.0	hr	
Pre-drying equipment	3.0	hr	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	80.0 - 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	6x4x50 mm		
2.	速率 A (50°C/h), 压力 (10N)		
3.	速率 A (50°C/h), 载荷 (50N)		

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