

TAROMID A 280 G6 MB1

Polyamide 66

Taro Plast S.p.A.

Message:

TAROMID A 280 G6 MB1 is a polyamide 66 (nylon 66) product containing a 30% glass fiber reinforced material. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

heat stabilizer

mold release agent

excellent release agent

Medium viscosity

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
	demoulding		
Features	Low friction coefficient		
	Thermal Stability		
	Good demoulding performance		
	Medium viscosity		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/1.0 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.40 - 0.60	%	ASTM D955
Transverse flow	0.90 - 1.1	%	ASTM D955
Water Absorption			
23°C, 24 hr	0.75	%	ASTM D570, ISO 62
Saturation	5.0	%	ASTM D570
Saturated, 23°C	5.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	170	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2

Flexural Modulus	8200	MPa	ASTM D790, ISO 178
Flexural Stress			
--	240	MPa	ISO 178
Fracture	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.8	kJ/m ²	ISO 179
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	244	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature	100	°C	ASTM D794
Vicat Softening Temperature	254	°C	ISO 306/B50, ASTM D1525 1
Melting Temperature	256	°C	
CLTE - Flow (-30 to 30°C)	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Oxygen Index	26	%	ASTM D2863
Additional Information			
Granule Humidity, TARO 002: <0.15%Spiral Flow, TARO 003, 280°C - 60°C: 320Ball Pressure Test, VDE 0470: 165°CContinuous Service Temperature, IEC 216, 130 hr: 100°CContinuous Service Temperature, IEC 216, 180 hr, short term: 140°CDensity, ISO 118: 1.36 to 1.38 Mg/m ³ Density. ASTM D792: 1.36 to 1.38 Mg/m ³ Notched Izod Impact Strength , ISO 180, 23°C: 110 J/mCharpy Impact Strength, ASTM D256, 23°C, 4mm: 7.8 kJ/m ²			
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	260 - 280	°C	
Mold Temperature	80.0 - 110	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	速率 A (50°C/h), 载荷2 (50N)		

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