

TAROMID A 280 Z1

Polyamide 66
Taro Plast S.p.A.

Message:

TAROMID A 280 Z1 is a polyamide 66 (nylon 66) product. It can be processed by injection molding and is available in Europe.
Features include:
flame retardant/rated flame
chemical resistance
Impact resistance
Impact modification
Medium viscosity

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Solvent resistance		
	Impact resistance, good		
	Low temperature impact resistance		
	Good chemical resistance		
	Oil resistance		
	Medium viscosity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11 - 1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/1.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.5 - 1.7	%	Internal method
Water Absorption			ISO 62
23°C, 24 hr	1.2	%	ISO 62
Saturated, 23°C	7.0	%	ISO 62
Granule Humidity ¹		%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	225	°C	ISO 306/B50

Ball Pressure Test (165°C)	Pass		IEC 60695-10-2
Melting Temperature	256	°C	ISO 11357-3
CLTE - Flow (-30 to 30°C)	7.0E-5 - 1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+15	ohms·cm	IEC 60093
Dielectric Constant	3.80		IEC 60250
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.970 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 - 90.0	°C	
Hot air dryer	80.0 - 100	°C	
Drying Time			
--	1.0	hr	
Hot air dryer	3.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	70.0 - 80.0	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Pre-heat Temperature: 80 to 100°CPre-heat Time: 3 hr			
NOTE			
1.	TARO 002		
2.	1.0 mm/min		
3.	120°C/hr		

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