

TAROMID A 280 MB3

Polyamide 66

Taro Plast S.p.A.

Message:

TAROMID A 280 MB3 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

Heat Stabilizer

Lubricated

Medium Viscosity

General Information			
Additive	Heat Stabilizer Lubricant		
Features	Low Friction Medium Viscosity		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14 to 1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/1.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.6 to 2.5	%	
Flow	1.6 to 2.2	%	
Water Absorption			ISO 62
23°C, 24 hr	1.0	%	
Saturation, 23°C	7.0	%	
Granule Humidity ¹	< 0.10	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2/1
Tensile Stress (Break)	80.0	MPa	ISO 527-2/50
Tensile Strain (Break)	65	%	ISO 527-2/50
Flexural Modulus ²	2900	MPa	ISO 178
Flexural Stress ³	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact			ASTM D256
-20°C	28	J/m	

23°C	40	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Continuous Use Temperature			IEC 60216
-- 4	90.0	°C	
-- 5	120	°C	
Vicat Softening Temperature	240	°C	ISO 306/B50
Ball Pressure Test (205°C)	Pass		IEC 60695-10-2
Melting Temperature	256	°C	ISO 11357-3
CLTE - Flow (-30 to 30°C)	9.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	24	kV/mm	IEC 60243-1
Dielectric Constant	3.40		IEC 60250
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 to 90.0	°C	
Pre-heater	80.0 to 100	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		

NOTE

- | | |
|----|------------|
| 1. | TARO 002 |
| 2. | 1.0 mm/min |
| 3. | 1.0 mm/min |
| 4. | 20000 hrs |
| 5. | Short Term |

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