

TAROMID A 280 R3

Polyamide 66
Taro Plast S.p.A.

Message:

Polyamide 66 elastomer modified, very high impact resistance, low moisture absorption, very good chemical resistance to oils, solvents and other chemical substances.
Available: different colors, UV-stabilized (L), release agent (W).

General Information			
Additive	Mold Release		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Mold Release		
	Good UV Resistance		
	High Impact Resistance		
	Low Moisture Absorption		
	Oil Resistant		
	Solvent Resistant		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07 to 1.09	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/1.0 kg)	16	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	1.3 to 1.8	%	
Across Flow	1.2 to 1.8	%	
Water Absorption			
23°C, 24 hr	0.75	%	ASTM D570, ISO 62
Saturation	5.5	%	ASTM D570
Saturation, 23°C	5.5	%	ISO 62
Granule Humidity	< 0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	80	%	ASTM D638, ISO 527-2
Flexural Modulus	2050	MPa	ASTM D790, ISO 178
Flexural Stress			
-- ¹	85.0	MPa	ISO 178
Yield	85.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	180	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50, ASTM D1525 2
Melting Temperature	258	°C	ASTM D211, ISO 121
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.970 mm)	HB		UL 94
Oxygen Index	23	%	ASTM D2863
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 270	°C	
Mold Temperature	70.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Yield		
2.	Rate A (50°C/h), Loading 2 (50 N)		

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