



PRODUCT INFORMATION

TAROMID A 280 MT6

Polyamide 66 medium viscosity 30% mineral filled, high dimensional stability, high stiffness, good mechanical and thermal properties, good surface appearance.

ISO short Form ISO 1043: PA66-MD30 Pellets

Key Features

- Designed for injection moulding applications
- Mineral filled
- High dimensional stability

Availability

- W: lubricated
- L: UV stabilized
- H: heat stabilized
- All colours

Process

- INJECTION MOULDING

Application

- General purpose applications
- Building
- Automotive

Property	Method	Unit	Value	Condition	State
ELECTRICAL					
Volume Resistivity	IEC 60093	Ohm cm	10exp(15)		
Dielectric Strength	IEC 60243-1	kV/mm	24	2 mm	
Dissipation Factor Frequency	IEC 60250	-	0,020		
Dielectric Constant	IEC 60250	-	3,80		
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	500		
Tracking Resistance (CTI - Method B)	IEC 60112	Volt	350M		
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm ³	1,36-1,38		
Filler content	ISO 3451	%	30	750°C - 1 h	
Granule Humidity	Internal method	%	<0,10		
Water Absorption (24h / +23°C)	ISO 62	%	0,6		

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Water Absorption at Saturation	ISO 62	%	5	
Mould Shrinkage (Parallel)	Internal method	%	0,8-1,1	
Mould Shrinkage (Normal)	Internal method	%	0,8-1,1	
Melting temperature (DSC)	ISO 11357	°C	256	
Melt Flow Rate (MFR)	ISO 1133	g/10 min	10	280°C - 1 kg

MECHANICAL

Tensile Modulus	ISO 527-1,2	MPa	7200	Speed 1 mm/min	Dry
Tensile Yield Strength	ISO 527-1,2	MPa	85	Speed 50 mm/min	Dry
Elongation at Break	ISO 527-1,2	%	2,5	Speed 50 mm/min	Dry
Tensile Break Strength	ISO 527-1,2	MPa	74	Speed 50 mm/min	Dry
Flexural Modulus	ISO 178	MPa	7000	Speed 1 mm/min	Dry
Flexural Break Strength	ISO 178	MPa	150	Speed 1 mm/min	Dry
IZOD Notched Impact	ASTM D256	J/m	40	+23°C	Dry
CHARPY Notched Impact (+23°C)	ISO 179/1eA	kJ/m ²	4		Dry
CHARPY Unnotched Impact (+23°C)	ISO 179/1eU	kJ/m ²	25		Dry
CHARPY Unnotched Impact (-25°C)	ISO 179/1eU	kJ/m ²	18		Dry

THERMAL

Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	235	50°C / h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	190	120°C / h
Ball Pressure Test	IEC 60695-10-2	°C	205	
Continuous service temperature (20.000 h)	UL746 B	°C	80 (120 H)	
Coefficient of linear thermal expansion (parallel)	ISO 11359-1,-2	K ⁻¹	4,5x10exp(-5)	-30°C /+30°C

FLAMMABILITY

Flame Behaviour (0,97 mm)	UL94	Class	HB
Flame Behaviour (1,6 mm)	UL94	Class	HB
Flame Behaviour (3,2 mm)	UL94	Class	HB
Glow Wire Flammability Index-GWFI (2 mm)	IEC 60695-2-12	°C	750

