

Technical Data Sheet



ALTECH PA6/6T B 4030/219 MR30 IM

Base Polymer	Polyphthalamide
Filler/Additive System	30 % mineral
Colour	natural color,black
Special Features	elastomer modified,heat stabilised,processing stabilised,easy release (demoulding)
Market Segment	Machinery
Typical Applications	injection moulded parts,functional components

Pre-Drying Conditions 110 °C in a dry air (dessiccant) dryer
for 4-8 h
max. moisture content <0,03 %

Processing Injection Moulding melt temperature 310-330 °C
mould temperature 70-100 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4000 / 4200	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / -	MPa	ISO 178
Flexural Strength	- / 94	MPa	ISO 178
Tensile Modulus	4000 / 4100	MPa	ISO 527
Tensile Stress at Yield	- / 55	MPa	ISO 527
Tensile Strength at Break	62 / -	MPa	ISO 527
Tensile Elongation at Yield	- / 3.8	%	ISO 527
Tensile Elongation at Break	4.1 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	90 / 60	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	90 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / 4.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	98 / *	°C	ISO 75-1/-2
DSC (Melt Point)	302 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.3	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-