

ALTECH PA6/6T B 4030/219 MR30 IM

(Last update: 19.10.2021)

MOCOM

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



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Flammability

Flammability (1.5 mm)

Yellow Card available

HB / *

yes / *

class

-

UL 94

-

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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