

ALCOM WP PA66 5020 PTFESI 15042

(Last update: 23.08.2022)

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	20 % PTFE/Silicone
Special Features	improved sliding / wear, easy release (demoulding), processing stabilised
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	functional components, bearings and sliding elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	70 / -	MPa	ISO 178
Tensile Modulus	2600 / -	MPa	ISO 527
Tensile Strength	63 / -	MPa	ISO 527
Tensile Elongation at Break	15 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	75 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	85 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	65 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Physical Properties			
Density	1240 / -	kg/m ³	ISO 1183

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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