

Technical Data Sheet



ALTECH PA66 ECO 4015/120 MR15 IM

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	15 % talcum
Special Features	impact modified,heat stabilised,easy release (demoulding),injection moulding grade
Market Segment	Automotive,various
Typical Applications	wheel trims,various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress (3.5% Strain)	95	MPa	ISO 178
Tensile Modulus	3300	MPa	ISO 527
Tensile Strength	75	MPa	ISO 527
Tensile Elongation at Break	18	%	ISO 527
Impact Strength (Charpy, 23°C)	250	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	78	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.5	%	ISO 294-4
Physical Properties			
Density	1250	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.47	kg CO ₂ eq./kg	ISO 14040, 14044