

**ALCOM LB PA6 2015 14041 WT1063-16**

(Last update: 26.09.2024)

**MOCOM**

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres, 8 % special filler
Special Features	highly reflective, opaque, slip agent, heat stabilised
Market Segment	Automotive, electrical and electronic, Lighting
Application Area	lighting, interior decoration / finishing, light blocking components
Typical Applications	light guides, reflectors, handles

Pre-Drying Conditions      in a dry air (dessiccant) dryer <80 °C  
for 2-12 h  
max. moisture content <0,15 %

Processing Injection Moulding      melt temperature 270-290 °C  
mould temperature 80-100 °C

Storage      dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	4700 / -	MPa	ISO 178
Flexural Strength	150 / -	MPa	ISO 178
Tensile Modulus	6000 / -	MPa	ISO 527
Tensile Strength at Break	95 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	30 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	197 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
<b>Physical Properties</b>			
Density	1310 / -	kg/m <sup>3</sup>	ISO 1183
<b>Optical Properties</b>			
Tristimulus Value Y10 of Reflection (d=2,0mm)	88	%	DIN 5033
Tristimulus Value Y10 of Transm., d=0.5mm	0.8	%	ISO 13468



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