

ALCOM LB PA66 FC 1000 17204 BL1210-17

(Last update: 24.10.2023)

MOCOM

Base Polymer	Polyamide 66
Special Features	injection moulding grade,easy release (demoulding),heat stabilised,food contact
Market Segment	food processing industry,various
Application Area	injection moulded parts,light blocking components

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 260-290 °C mould temperature 80-100 °C
Storage	dry, protected from light
Minimum Shelf Life	months <12

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3100 / 1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / 40	MPa	ISO 178
Tensile Modulus	3400 / 1600	MPa	ISO 527
Tensile Stress at Yield	- / 60	MPa	ISO 527
Tensile Strength	90 / -	MPa	ISO 527
Tensile Elongation at Yield	- / 20	%	ISO 527
Tensile Elongation at Break	14 / 100	%	ISO 527
Impact Strength (Charpy, 23°C)	200 / 1000	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	100 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5 / 13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	83 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1.2	%	ISO 294-4
Physical Properties			
Density	1160 / -	kg/m ³	ISO 1183



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Optical Properties

Tristimulus Value Y10 of Reflection (d=2,0mm)	25	%	DIN 5033
Tristimulus Value Y10 of Transm., d=0.5mm		%	ISO 13468

Additional Information

Different color matches of this material can have significant influence on the suitability according to the various food contact directives (e.g. FDA or EU). Please request a compliance confirmation per colorcode regarding the suitability for the specific food contact application.

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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

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