ALCOM LB PBT FC 2015 17076 GY1069-17

PBT-GF15 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polybutylene Terephthalate
Filler/Additive System	15 % glass fibres,special filler
Colour	grey,similar to RAL 7001
Special Features	opaque,food contact
Market Segment	electrical and electronic
Application Area	light blocking components
Typical Applications	injection moulded parts

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**20**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**5400**	MPa	ISO 527
[C] Stress at break	**90**	MPa	ISO 527
[C] Strain at break	**3.6**	%	ISO 527
[C] Charpy impact strength, +23°C	**60**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**11**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**205**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**204**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1410**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Applications
Electrical and Electronical

Special Characteristics
Opaque

Regional Availability
North America, Europe, Asia Pacific, Near East/Africa

Certifications
Food contact

Other text information

Injection molding

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-4 h in an air circulating dryer 100-120 °C for 4-8 h max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 80-120 °C

Storage	dry, protected from light