ALCOM PC 740/1.2 GF30 PTFE13 SI2

(PC+PTFE)-GF30 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polycarbonate
Filler/Additive System	30 % glass fibres,15 % PTFE/Silicone
Special Features	improved sliding / wear
Market Segment	Automotive,Machinery
Application Area	various
Typical Applications	housings,functional components,bearings and sliding elements

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**1.5**	cm³/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**8300**	MPa	ISO 527
[C] Stress at break	**95**	MPa	ISO 527
[C] Strain at break	**1.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**40**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**14**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**143**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**148**	°C	ISO 306
[C] Burning Behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1500**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

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

Other text information

Injection molding

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h in an air circulating dryer 100-120 °C for 4-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
Storage	dry, protected from light