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Technical Data Sheet

Alcom®

MOCOM

ALCOM PC 740/1 SV1115-08MCF

Base Polymer	Polycarbonate
Special Features	metallic effect,low tendency to flow lines
Market Segment	Automotive,building and construction
Application Area	injection moulding grade
Typical Applications	housings,clothing / fasteners

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-3 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress (3.5% Strain)	75	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	61	MPa	ISO 527
Tensile Elongation at Yield	5.6	%	ISO 527
Tensile Elongation at Break	8	%	ISO 527
Impact Strength (Charpy, 23°C)	125	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	125	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	143	°C	ISO 306
HDT / A (1,8 MPa)	130	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	15	cm³/10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1220	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-2	class	UL 94

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Flammability (1.5 mm)	HB	class	UL 94
Glow Wire (GWFI, 850°C, 1.0mm)	passed	-	DIN EN 60695
Glow Wire (GWFI, 850°C, 2.0mm)	passed	-	DIN EN 60695