

Technical Data Sheet - Preliminary Product



ALCOM LB ECO PC 1000 17152 UV IM WT2083-07

MOCOM

Base Polymer	Polycarbonate
Special Features	impact modified,UV stabilised,contains recycled material
Market Segment	electrical and electronic,Lighting,various
Application Area	lamps,light blocking components,various
Typical Applications	light guides,lamps,sockets,various

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-4 h 120 °C in an air circulating dryer for 4-12 h 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			
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	57	MPa	ISO 527
Tensile Elongation at Yield	5.7	%	ISO 527
Tensile Elongation at Break	50	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	140	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	17	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1250	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Glow Wire (GWFI, 850°C, 2.0mm)	passed	-	DIN EN 60695