

Technical Data Sheet - Preliminary Product



ALCOM PC 740/4 UV SV1003-06MCO

Base Polymer	Polycarbonate
Colour	metallic effect
Special Features	UV stabilised, flow line optimised
Typical Applications	various

Pre-Drying Conditions	in an air circulating dryer 100-120 °C for 2-12 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			
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	64	MPa	ISO 527
Tensile Elongation at Yield	5.5	%	ISO 527
Tensile Elongation at Break	10	%	ISO 527
Impact Strength (Charpy, 23 °C)	150	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	80	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	6	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40 °C)	5.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	142	°C	ISO 306
HDT / A (1,8 MPa)	130	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	≥0.6	%	ISO 294-4
Physical Properties			
Density	1200	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Yellow Card available	yes	-	-