

Technical Data Sheet



**ALCOM LD2 PC 2010 UV 18148 CC1184-18**

Base Polymer	Polycarbonate
Filler/Additive System	10 % glass fibres, special filler, UV stabilised
Special Features	translucent, high light transmission, light scattering, easy release (demoulding)
Market Segment	Automotive, Lighting
Application Area	lighting, light transparent components
Typical Applications	lamp covers, display elements, operating elements

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 290-320 °C mould temperature 80-130 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	3800	MPa	ISO 178
Flexural Strength	130	MPa	ISO 178
Tensile Modulus	3700	MPa	ISO 527
Tensile Strength at Break	72	MPa	ISO 527
Tensile Elongation at Break	4.8	%	ISO 527
Impact Strength (Charpy, 23°C)	75	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	70	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	146	°C	ISO 306
HDT / A (1,8 MPa)	140	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	13	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	ISO 294-4
<b>Physical Properties</b>			
Density	1260	kg/m <sup>3</sup>	ISO 1183

