Technical Data Sheet

ALCOM PC 740/4 CC1119-05LD

Polymeric basis:	polycarbonate
Filler / Additive system:	-
Processing:	injection moulding (Tmass: 280 - 320 °C, Tmould: 80 - 100 °C) appropriate pre-drying necessary
Special properties:	good flow, light diffusor
Typical applications:	lamp cover, control and operating elements

Properties	Test figures	Units	Standards
Physical properties			
Density	1.20	g/cm³	ISO 1183
Mechanical properties*			
Tensile modulus	2,400	MPa	DIN EN ISO 527
Yield stress	66	MPa	DIN EN ISO 527
Yield strain	6.0	%	DIN EN ISO 527
Charpy impact strength (23°C)	n.b.	kJ/m²	DIN EN ISO 179/1eU
Charpy notched impact strength (23°C)	11.0	kJ/m²	DIN EN IS O 179/1eA
Thermal properties			
Heat deflection temperature HDT A (1.8 MPa)	124	°C	DIN EN ISO 75
Vicat softening point VST B/50	142	°C	DIN EN ISO 306
Optical properties			
Half Power Angle Gamma to Tau% (Gamma)	1.4	°	-
Light Diffusion HAZE (4 mm)	50	%	bas. auf ISO 13468
Total Transmission Tau% (4 mm)	87	%	DIN EN ISO 13468
Further properties			
Flammability UL 94 (1.5 mm)	HB	class	UL 94
Flammability UL 94 (0.75- 1.5 mm)	V-2	class	UL 94
Fire behavior (1,0 mm)	0	mm/min.	FMVSS 302/DIN 75200
Melt volume rate MVR (300/1.2)	17	cm³/10 min	DIN ISO 1133

* testing on unconditioned test specimen (dry as moulded)

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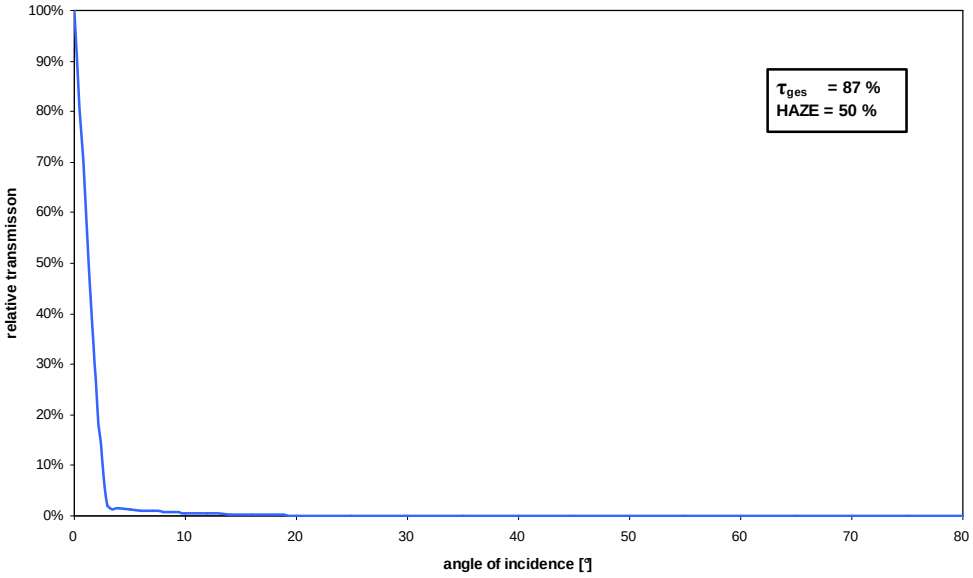
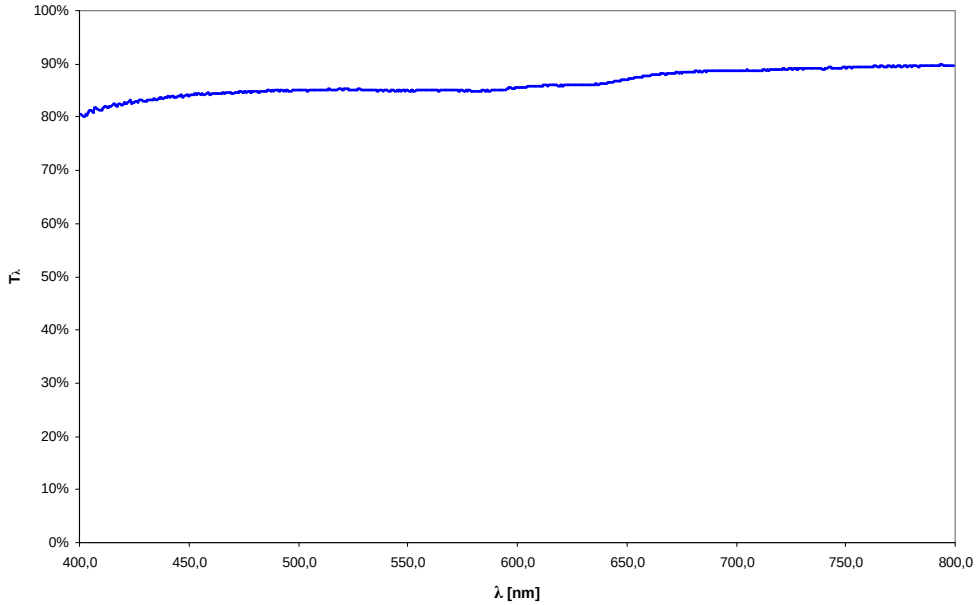
decrement of transmission in relation to incidence (wall thickness 4 mm)



transmission curve (wall thickness 4 mm)



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The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. At all times our Conditions of Sale apply.
The test values mentioned are guide values only and not binding minimum or maximum figures. These test values have been determined on standardized test specimen and they can be affected by pigmentation, mould design and processing conditions.

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