

## ALCOM PC 740/4 UV SV1287-04MCS

(Last update: 10.10.2017)

### MOCOM

Base Polymer	Polycarbonate
Filler/Additive System	UV stabilised
Colour	metallic effect
Special Features	easy flow
Market Segment	Automotive, building and construction
Application Area	clothing / fasteners, domestic appliances
Typical Applications	housings

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer 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
<b>Mechanical Properties</b>			
Flexural Modulus	2550	MPa	ISO 178
Flexural Strength	100	MPa	ISO 178
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	65	MPa	ISO 527
Tensile Elongation at Yield	5.8	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	130	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	24	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	≥0.55	%	ISO 294-4
<b>Physical Properties</b>			
Density	1200	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (0.75 mm)	V-2	class	UL 94



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