

ULPOLEN[®] UV ANTI STATIC TECHNICAL VALUES

	Test Method	Unit	Value
General Properties			
Density	ISO 1183	gr/cm ³	0,945
Molecular Weight		gr/mol	9.2x10 ⁶
Mould Composition	EN ISO 11542-1	-	QCL 25-4-5
Water Absorption	DIN EN ISO 62	%	<0,01
Mechanical Properties			
Tensile Strength at Break	ISO 527-1	N/mm ²	22
Tensile Strain at Break	ISO 527-1	%	10
Tensile Modulus of Elasticity	ISO 527-1	N/mm ²	800
Elongation at Break	ISO 527-1	%	>350
Impact Strength (15° V, notched)	ISO 179	Kj/mm ²	100
Coefficient of Friction, Dynamic			0,1-0,15
Hardness	ISO 868	Shore D	63
Thermal Properties			
Melting Temperature		°C	133-138
Heat Conductivity	DIN 52612	W/mK	0,41
Flammability	UL 94	-	Hardly flammable
Minimum/Maximum Allowable Service Temperature in Air - Short term	Depending on operating conditions and pressure	°C	-250 / 130
Minimum/Maximum Allowable Service Temperature in Air - Continuous	Depending on operating conditions and pressure	°C	-250 / 80
Coefficient of Linear Thermal Expansion (20°C-100°C)	DIN 53752	1/K	2x10 ⁻⁴
Electrical Properties			
Volume Resistivity	DIN VDE 0303	Ohm.cm	10 ¹⁰
Surface Resistivity	DIN VDE 0303	Ohm	10 ¹⁰
Arc Resistance	DIN VDE 0303	Derece	L4

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