

Technical Data

Product POLYSTONE M-BLACK-AST pressed

6. April 2009

Properties, General	Data	Unit	Testmethod
Specific gravity	0,945	g/cm ³	ISO 1183
Molecular weight	9,2*10 ⁶	g/mol	
UV resistance	5	Jahre/ year/année	
Coefficient of sliding friction	0,1		
Moulding compound	QCLY 25-4-5	---	EN ISO 11542-1
Sheet classification acc. standard	TG1		DIN 16972
Water absorption	< 0,01	%	DIN EN ISO 62
Properties, Mechanical	Data	Unit	Testmethod
Tensile stress at yield	22	N/mm ²	ISO 527-1
Elongation at yield stress	11	%	ISO 527-1
Elongation at break	>350	%	ISO 527-1
Modulus of elasticity in tension	700	N/mm ²	ISO 527-1
Shore hardness D	63	---	ISO 868
Wear resistance	100	---	SAND-SLURRY
Properties, Thermal	Data	Unit	Testmethod
Fire Behaviour	HB	---	UL 94
Thermal conductivity	0,4 (*)	W/mK	DIN 52612
Coefficient of linear expansion between 20°	2*10 ⁻⁴ (*)	1/K	DIN 53752
Temperature range (short-term)	-150....130 (*)	°C	
Temperature range	-150....80 (*)	°C	DRUCK- UND MEDIE
Fire Behaviour	B2		DIN 4102
Crystalline grain melting range	133-138	°C	DSC
Properties, Electrical	Data	Unit	Testmethod
Insulation resistance	<10 ⁶	Ohm x cm	DIN VDE 0303
Surface resistance	<10 ⁶	>10 ¹⁴ Ohm	DIN VDE 0303

Remark

The data mentioned in this brochure are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

*) literature values

**) Depends on pressure and media