

Technical Data

Product POLYSTONE FOAMLITE ECO-BLACK extr.

3. Juli 2009

Properties, General	Data	Unit	Testmethod
Melt Flow Rate (MFR 190/5)	ca. 0,6	g/10 min	ISO 1133
Properties, Mechanical	Data	Unit	Testmethod
Tensile stress at yield	13	N/mm ²	ISO 527-1
Elongation at yield stress	5	%	ISO 527-1
Elongation at break	10	%	ISO 527-1
Modulus of elasticity in tension	850	N/mm ²	ISO 527-1
Impact strength	n.B.	mJ/mm ²	ISO 179
Shore hardness D	65	---	ISO 868
Properties, Thermal	Data	Unit	Testmethod
Fire Behaviour	HB	---	UL 94
Thermal conductivity	0,1...0,15 (*)	W/mK	DIN 52612
Coefficient of linear expansion between 20°	1-2*10 ⁻⁴ (*)	1/K	DIN 53752
Temperature range (short-term)	-30....130 (*)	°C	
Temperature range	-30....90 (*)	°C	DRUCK- UND MEDIE
Fire Behaviour	B2		DIN 4102
Properties, Electrical	Data	Unit	Testmethod
Insulation resistance	>10 ¹⁴	Ohm x cm	DIN VDE 0303
Surface resistance	>10 ¹³	Ohm	DIN VDE 0303
Track resistance	CTI 600 M	Stufe/Stage/Degré	IEC 60112
Electric strength, 1mm	35	kV/mm	IEC 60243
Arc resistance	L4 (*)	Stufe/degree/degré	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