

Product: POLYSTONE D-NATURAL, pressed

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R50295

Properties, general	Data	Unit	Testmethod
Specific gravity	0,955	g/cm ³	ISO 1183
Melt Flow Rate (MFR 190/21,6)	2,0	g/10 min	ISO 1133
Coefficient of sliding friction	0,1-0,15		
Moulding compound	PE,QN,50-G022	---	DIN ISO 1872-1
Sheet classification acc. standard	TG3		DIN 16972
Water absorption	< 0,01	%	DIN 53495
Properties, mechanical	Data	Unit	Testmethod
Tensile stress at yield	27	N/mm ²	ISO 527-1
Elongation at yield stress	10	%	ISO 527-1
Elongation at break	> 50	%	ISO 527-1
Modulus of elasticity in tension	1200	N/mm ²	ISO 527-1
Shore hardness D	65	---	ISO 868
Wear resistance	250	---	SAND-SLURRY
Properties, thermal	Data	Unit	Testmethod
Fire Behaviour	HB	---	UL 94, self test
Crystalline grain melting range	133-138	°C	
Thermal conductivity	0,4 (*)	W/mK	DIN 52612
Coefficient of linear expansion	2*10 ⁻⁴ (*)	1/K	DIN 53752
Temperature range (short-term)	-100....100 (*)	°C	DRUCK- UND MEDIENABHÄNGIG
Temperature range	-100....80 (*)	°C	DRUCK- UND MEDIENABHÄNGIG
Properties, electrical	Data	Unit	Testmethod
Insulation resistance	> 10 ¹⁴	Ohm x cm	DIN VDE 0303
Surface resistance	> 10 ¹⁴	Ohm	DIN VDE 0303
Track resistance	CTI 600	Stufe/degree/Deqré/grado	IEC 60112
Arc resistance	L4 (*)	Stufe/degree/Deqré/grado	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