

Specification Sheet (Superceded) / 01 Polypropylene



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

General Properties	Data	Unit	Test method
Melt Flow rate (mfr 190/5)	0.5	g/10 min	ISO 1133
Melt Flow rate (mfr 230/2,16)	0.4	g/10 min	ISO 1133
Moulding compound	PP-B,ENH 10-35-003		DIN EN ISO 1873
Sheet classification acc. standard non-toxicity	TG2.1		EN ISO 15013

Mechanical Properties	Data	Unit	Test method
Tensile stress at yield	23	N/mm ²	ISO 527-1
Elongation at yield stress	8	%	ISO 527-1
Elongation at break	>50	%	ISO 527-1
Modulus of elasticity in tension	1100	N/mm ²	ISO 527-1
Notched Impact strength	>40	mJ/mm ²	ISO 179
Shore hardness D	69		ISO 868

Thermal Properties	Data	Unit	Test method
Fire Behaviour	HB		UL 94
Crystalline grain melting range	160-167	°C	DSC
Thermal conductivity	0,2 (*)	W/mK	DIN 52612
Coefficient of linear expansion between 20°	1-2*10 ⁻⁴ (*)	1/K	DIN 53752
Temperature range (short-term)	-30....150 (*)	°C	
Temperature range	-30....100 (*)	°C	DRUCK- UND MEDIE
Fire Behaviour	B2		DIN 4102

Electrical Properties	Data	Unit	Test method
Insulation resistance	>10 ¹⁴	Ohm x cm	DIN VDE 0303
Surface resistance	>10 ¹³	Ohm	DIN VDE 0303
Track resistance	CTI 600	Stufe/Stage/Degré	IEC 60112
Electric strength, 1mm	> 30	kV/mm	IEC 60243
Arc resistance	L4 (*)	Stufe/degree/degré	DIN VDE 0303
*) literature values			
**) Depends on pressure and media			

Change Control Date	Change
18/11/2013	Created



The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

