

SCANFILL

FOIL ABYX52C1

Thermoforming grade

Property	Value	Unit	Standard
Density	1,40	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	2	g/10min	ISO 1133
Flexural modulus at +23°C	3900	MPa	ISO 178
Maximum flexural strength	43	MPa	ISO 178
Maximum tensile strength	23	MPa	ISO/R527
Elongation at break	5	%	ISO/R527
Elongation at yield	4	%	ISO/R527
Impact strength			
Notched Charpy at +23°C	4	kJ/m ²	ISO 179
Notched Charpy at -20°C	2	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	16	kJ/m ²	ISO 179
Unnotched Charpy at -20°C	9	kJ/m ²	ISO 179
Filler content	52	±2%	Polykemi
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	122	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	76	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	133	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	89	°C	ISO 306
Flammability			
GWT at 2 mm	650	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,8-1,1	%	ISO 2577
Mould shrinkage (across flow)	0,8-1,1	%	ISO 2577

Version 3

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