

POLYfill

PP TOUCH 25325 R3

Glass fibre-reinforced

Scratch resistant

Property	Value	Unit	Standard
Density	1,07	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	2	g/10min	ISO 1133
Flexural modulus at +23°C	2300	MPa	ISO 178
Maximum flexural strength	43	MPa	ISO 178
Maximum tensile strength		MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	31	kJ/m ²	ISO 179
Notched Charpy at -30°C	25	kJ/m ²	ISO 179
Unnotched Charpy at +23°C		kJ/m ²	ISO 179
Unnotched Charpy at -20°C		kJ/m ²	ISO 179
Filler content	25	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	130	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)		°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)		°C	ISO 306
Flammability			
GWT at 2 mm	750	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,1-0,3	%	ISO 294-4
Mould shrinkage (across flow)	0,7-0,9	%	ISO 294-4
Hardness Shore D (15 s)	53	Shore D	D2240
10 N Rough structure	<0,2	dL	ISO 1518/D65

Scratch resistance test performed on black plaques with fine (Standex MT9078) and rough (Standex MT11435) structure.

Version 1

2009-11-30

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