POLYfill

PP CQX30030 RTX

Mineral reinforced

Scratch resistant

Property	Value	Unit	Standard
Density	1,13	g/cm³	ISO 1183
MFI at 230°C/2,16kg	30	g/10min	ISO 1133
Flexural modulus at +23°C	1900	MPa	ISO 178
Maximum flexural strength	37	MPa	ISO 178
Maximum tensile strength	19	MPa	ISO 527-2
Elongation at break	36	%	ISO 527-2
Elongation at yield	8	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	4	kJ/m²	ISO 179
Notched Charpy at -20°C	3	kJ/m²	ISO 179
Unnotched Charpy at +23°C	36	kJ/m²	ISO 179
Unnotched Charpy at -20°C	21	kJ/m²	ISO 179
Filler content	30	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	110	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	58	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	148	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	75	°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)	1,2-1,4	%	ISO 294-4
Mould shrinkage (across flow)	1,2-1,4	%	ISO 294-4
Scratch resistance			
10 N Fine structure	<0,10	dL	ISO 1518/D65
Coefficient of linear thermal expansion (CLTE)	70-90	10E-6/°C	Polykemi

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

Version 1   2008-02-26