

POLYelast

TPE HJ753

PP/Elastomer

Mineral reinforced

Property	Value	Unit	Standard
Density	0,98	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	25	g/10min	ISO 1133
Flexural modulus at +23°C	2300	MPa	ISO 178
Maximum flexural strength	36	MPa	ISO 178
Maximum tensile strength	24	MPa	ISO 527-2
Elongation at break	160	%	ISO 527-2
Elongation at yield	9	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	16	kJ/m ²	ISO 179
Notched Charpy at -20°C	5	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m ²	ISO 179
Unnotched Charpy at -20°C	NB	kJ/m ²	ISO 179
Filler content	15	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	100	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	57	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	130	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	53	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm			UL94
Mould shrinkage (with flow)	0,8-1,0	%	ISO 294-4
Mould shrinkage (across flow)	0,8-1,0	%	ISO 294-4
Coefficient of linear thermal expansion (CLTE)	55-65	10E-6/°C	Polykemi

Version 2

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