

POLYelast

TPE R44 T10

Mineral reinforced

Property	Value	Unit	Standard
Density	0,96	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	12	g/10min	ISO 1133
Hardness Shore D (15 s)	54	Shore D	D2240
Mould shrinkage (with flow)	1,2-1,4	%	ISO 294-4
Mould shrinkage (across flow)	1,2-1,4	%	ISO 294-4
Elongation at break		%	ISO 527-2
Maximum tensile strength	19	MPa	ISO 527-2
Elongation at yield	8	%	ISO 527-2
Maximum flexural strength	25	MPa	ISO 178
Flexural modulus at +23°C	750	MPa	ISO 178
Impact strength			
Notched Charpy at -20°C	15	kJ/m ²	ISO 179
Notched Charpy at +23°C	28	kJ/m ²	ISO 179
Unnotched Charpy at -20°C	NB	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m ²	ISO 179
Filler content	10	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	88	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)		°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	132	°C	ISO 306
Vicat 50°C/h at 49,05N (B)		°C	ISO 306

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