

# POLYelast

## TPE ZC500 D40

Property	Value	Unit	Standard
Density	0,9	g/cm <sup>3</sup>	ISO 1183
MFI at 230°C/2,16kg	6,5	g/10min	ISO 1133
Flexural modulus at +23°C	510	MPa	ISO 178
Maximum flexural strength	13	MPa	ISO 178
Maximum tensile strength	11	MPa	ISO 527-2
Elongation at break	475	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	26	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -30°C	36	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C		kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -30°C		kJ/m <sup>2</sup>	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)		°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		°C	IEC 695-2-1
UL94 at 1.6 mm			UL94
Mould shrinkage (with flow)	0,9-1,1	%	ISO 294-4
Mould shrinkage (across flow)	0,9-1,1	%	ISO 294-4
Hardness Shore D (15 s)	45	Shore D	D2240
Service temperature	-50/+100	°C	

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