

# POLYelast

## TPE EC90 D50 P05B

PP/EPDM

Property	Value	Unit	Standard
Density	0,93	g/cm <sup>3</sup>	ISO 1183
MFI at 230°C/2,16kg	12	g/10min	ISO 1133
Hardness Shore D (15 s)	55	Shore D	D2240
Mould shrinkage (with flow)	1,2-1,5	%	ISO 294-4
Mould shrinkage (across flow)	1,2-1,5	%	ISO 294-4
Elongation at break	300	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Maximum tensile strength	15	MPa	ISO 527-2
Maximum flexural strength		MPa	ISO 178
Flexural modulus at +23°C	650	MPa	ISO 178
Impact strength			
Notched Charpy at +23°C	30	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -30°C	15	kJ/m <sup>2</sup>	ISO 179
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	87	°C	ISO 75/1
Ozone and weather resistance			
Service temperature		°C	

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