

POLYelast TPE 10012 R3

TPE-MX12

Polykemi AB

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	18	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1100	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	45	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	124	°C	ISO 306
Vicat softening temperature, B	50	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	980	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Regional Availability

Europe, Asia Pacific