

Product Texts

Pearlthane® MAXI 12T85E is a polyester-based thermoplastic polyurethane.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	42	MPa	ISO 527
Stress at 100% elongation	6	MPa	ISO 527
Stress at 300% elongation	10	MPa	ISO 527
Strain at break TPE	580	%	ISO 527
Abrasion resistance	30	mm ³	ISO 4649
Shore A hardness	86	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Zone 1	175 - 195	°C	-
Zone 2	185 - 205	°C	-
Zone 3	195 - 225	°C	-
Zone 4	190 - 225	°C	-
Nozzle temperature	185 - 195	°C	-

Characteristics

Processing

Other Extrusion

Regional Availability

North America, Europe