

Pearlthane® 91T85

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

Copolyester-based aliphatic TPU.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	25	MPa	ISO 527
Stress at 100% elongation	5	MPa	ISO 527
Stress at 300% elongation	9	MPa	ISO 527
Strain at break TPE	650	%	ISO 527
Tear strength	91	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore A hardness	88	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	85	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	2	h	-
Mold temperature	35	°C	-
Zone 1	180	°C	-
Zone 2	185	°C	-
Zone 3	190	°C	-
Nozzle temperature	190	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather, Translucent

Features

Color Stability, Copolymer

Regional Availability

North America, Europe