

Estane® D91T80

TPU

Lubrizol Advanced Materials Spain S.L.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	35	MPa	ISO 527
Stress at 100% elongation	4	MPa	ISO 527
Stress at 300% elongation	9	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Tear strength	82	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore A hardness	84	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	61	°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	80	°C	-
Pre-drying - Time	3	h	-
Feed temperature	40	°C	-
Zone 1	170	°C	-
Zone 2	170	°C	-
Zone 3	175	°C	-
Zone 4	175	°C	-
Nozzle temperature	210	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe