

Estane® D91T86

TPU

Lubrizol Advanced Materials Spain S.L.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	30	MPa	ISO 527
Stress at 100% elongation	6	MPa	ISO 527
Stress at 300% elongation	11	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Tear strength	110	kN/m	ISO 34-1
Abrasion resistance	22	mm ³	ISO 4649
Shore A hardness	90	-	ISO 7619-1
ASTM Data			
Modulus at 100% Elongation	6.4	MPa	ASTM D 412
Modulus at 300% Elongation	10.6	MPa	ASTM D 412
Shore A Hardness	90	-	ASTM D 2240

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

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Feed temperature	40	°C	-
Zone 1	185	°C	-
Zone 2	205	°C	-
Zone 3	210	°C	-
Zone 4	210	°C	-
Nozzle temperature	215	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe