

Estane® ZHF 90AT0 TPU

TPU

Lubrizol Advanced Materials Spain S.L.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	10.3	MPa	ASTM D 412
Modulus at 300% Elongation	9.65	MPa	ASTM D 412
Shore A Hardness	91	-	ASTM D 2240
Tear Strength	25.2	kN/m	ASTM D 624

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.762	mm	-
Melting Temperature	172	°C	ASTM D 3418
Glass Transition Temperature	-37.8	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Density	1160	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Pipe/Tube Extrusion, Wire/Cable Extrusion, Coating

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant