

Pearlthane® 11H94

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

PEARLTHANE® 11H94 is especially recommended for injection molding applications such as: automotive parts, seals and gaskets and a variety of high performance technical parts.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	42	MPa	ISO 527
Strain at break	>50	%	ISO 527
Stress at 100% elongation	12	MPa	ISO 527
Stress at 300% elongation	69	MPa	ISO 527
Tear strength	135	kN/m	ISO 34-1
Abrasion resistance	35	mm ³	ISO 4649
Shore A hardness	95	-	ISO 7619-1
ASTM Data			
Compression Set , 22 hr @ 158 °F	32	%	ASTM D 395

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	202	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-39	°C	ISO 11357-1/-2

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183
Moisture Content	0.1	%	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Delivery form

Pellets

Regional Availability

North America, Europe

Features

Copolymer