

Pearlbond™ 960

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

Pearlbond™ 960 is an aliphatic plasticizer- free polyether-based thermoplastic polyurethane. It combines ex-celent mechanical properties with excellent low temperature flexibility.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	177	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	44	MPa	ISO 527
Stress at 100% elongation	2	MPa	ISO 527
Stress at 300% elongation	7	MPa	ISO 527
Strain at break TPE	510	%	ISO 527
Shore A hardness	60⁽¹⁾	-	ISO 7619-1

1: @ 1 day

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	film	-	-
Pre-drying - Temperature	60 - 70	°C	-
Pre-drying - Time	4 - 5	h	-
Zone 1	140 - 150	°C	-
Zone 2	180 - 190	°C	-
Zone 3	185 - 200	°C	-
Zone 4	185 - 200	°C	-
Nozzle temperature	180 - 190	°C	-

Characteristics

Processing

Film Extrusion, Other Extrusion

Regional Availability

North America, Europe

Special Characteristics

U.V. stabilized or stable to weather