

Pearlbond™ 360

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

Type: Pearlbond™ 360 is polyether based thermoplastic polyurethane, supplied in form of translucent pellets. Featuring low melting point and excellent transparency.

High resistance to microbial attack.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	13	MPa	ISO 527
Stress at 100% elongation	3	MPa	ISO 527
Stress at 300% elongation	4	MPa	ISO 527
Strain at break TPE	1070	%	ISO 527
Shore A hardness	68	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	film	-	-
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 3	h	-
Zone 1	115 - 125	°C	-
Zone 2	135 - 145	°C	-
Zone 3	145 - 155	°C	-
Zone 4	135 - 145	°C	-
Nozzle temperature	125 - 135	°C	-

Characteristics

Processing

Film Extrusion, Other Extrusion, Coating

Delivery form

Pellets

Special Characteristics

Transparent, Translucent

Features

Good Adhesion, Heat Sealable

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Regional Availability

North America, Europe