

# Pearlbond™ 920

TPU

Lubrizol Advanced Materials Spain S.L.

## Product Texts

Polycaprolactone copolyester-based Aliphatic Thermoplastic Polyurethane with 82 Shore A Hardness.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	38.4	MPa	ISO 527
Stress at 100% elongation	5.4	MPa	ISO 527
Stress at 300% elongation	10.5	MPa	ISO 527
Strain at break TPE	723	%	ISO 527
Tear strength	80	kN/m	ISO 34-1
Shore A hardness	82	-	ISO 7619-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Vicat softening temperature, A	60	°C	ISO 306
<b>Other properties</b>			
Density	1110	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Extrusion</b>			
Type of extrusion	film	-	-
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	3	h	-
Zone 1	175 - 185	°C	-
Zone 2	180 - 190	°C	-
Zone 3	180 - 190	°C	-
Zone 4	175 - 185	°C	-
Nozzle temperature	165 - 175	°C	-

## Characteristics

### Processing

Blown Film Extrusion, Film Extrusion, Other Extrusion, Coating

### Features

Color Stability, Good Adhesion, Copolymer

### Special Characteristics

U.V. stabilized or stable to weather, Translucent

### Regional Availability

North America, Europe