

Pearlbond™ 301

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

PEARLBOND™ 301 is a high performance aromatic polyester-based thermoplastic polyurethane (TPU) for use in hot melt adhesives applications (including film & sheet). This is a very soft plasticizer-free TPU with excellent low temperature flexibility.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	13	MPa	ISO 527
Stress at 100% elongation	1.1	MPa	ISO 527
Stress at 300% elongation	4.8	MPa	ISO 527
Strain at break TPE	950	%	ISO 527
Shore A hardness	52	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	film	-	-
Zone 1	120 - 130	°C	-
Zone 2	130 - 140	°C	-
Zone 3	140 - 150	°C	-
Zone 4	145 - 155	°C	-
Nozzle temperature	145 - 155	°C	-

Characteristics

Processing

Film Extrusion, Sheet Extrusion, Coating

Delivery form

Pellets

Special Characteristics

Translucent

Features

Good Adhesion, Heat Sealable

Regional Availability

North America, Europe