

Pearlbond™ 702 EXP

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

Pearlbond™ 702 EXP is linear, polyester-based polyurethane, supplied in form of small beige granules, which combines an extremely fast crystallization rate with an extremely high thermoplasticity level. It is used for Hot Melt Adhesives.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	170	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	15	MPa	ISO 527
Stress at 100% elongation	9	MPa	ISO 527
Stress at 300% elongation	11	MPa	ISO 527
Strain at break TPE	550	%	ISO 527
Shore A hardness	93	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	film	-	-
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	3	h	-
Zone 1	110 - 120	°C	-
Zone 2	120 - 130	°C	-
Zone 3	130 - 140	°C	-
Zone 4	120 - 130	°C	-
Nozzle temperature	110 - 120	°C	-

Characteristics

Processing

Film Extrusion, Other Extrusion, Coating

Delivery form

Pellets, Natural Color

Features

Good Adhesion, Heat Sealable, High Crystallinity

Regional Availability

North America, Europe