

Pearlcoat® DIPP 119

TPU

Lubrizol Advanced Materials Spain S.L.

Product Texts

Pearlcoat™ DIPP 119 is an aromatic polycaprolactone copolyester-based thermoplastic polyurethane.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	20	MPa	ISO 527
Stress at 100% elongation	3	MPa	ISO 527
Stress at 300% elongation	4	MPa	ISO 527
Strain at break TPE	750	%	ISO 527
Tear strength	50	kN/m	ISO 34-1
Abrasion resistance	45	mm ³	ISO 4649
Shore A hardness	70	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	40	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1160	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	3 - 4	h	-
Zone 1	125	°C	-
Zone 2	150	°C	-
Zone 3	165	°C	-
Zone 4	170	°C	-
Nozzle temperature	150	°C	-

Characteristics

Processing

Other Extrusion

Features

Copolymer

Special Characteristics

Transparent

Regional Availability

North America, Europe