

Pearlbond™ 12C75

TPU

Lubrizol Advanced Materials Spain S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	27	g/10min	ISO 1133
Temperature	177	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	24	MPa	ISO 527
Stress at 100% elongation	4	MPa	ISO 527
Stress at 300% elongation	15	MPa	ISO 527
Strain at break TPE	650	%	ISO 527
Shore A hardness	78	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	135	°C	ISO 11357-1/-3

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

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 3	h	-
Zone 1	120 - 130	°C	-
Zone 2	130 - 140	°C	-
Zone 3	140 - 150	°C	-
Nozzle temperature	145 - 155	°C	-

Characteristics**Processing**

Other Extrusion, Coating

Special Characteristics

Translucent

Delivery form

Pellets

Regional Availability

North America, Europe