

Pearlthane® 12C75

TPU

Lubrizol Advanced Materials Spain S.L.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	20	MPa	ISO 527
Stress at 100% elongation	4	MPa	ISO 527
Stress at 300% elongation	16.5	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Tear strength	70	kN/m	ISO 34-1
Abrasion resistance	25	mm ³	ISO 4649
Shore A hardness	78	-	ISO 7619-1
ASTM Data			
Modulus at 100% Elongation	4	MPa	ASTM D 412
Modulus at 300% Elongation	5.5	MPa	ASTM D 412
Shore A Hardness	78	-	ASTM D 2240
Tear Strength	70	kN/m	ASTM D 624
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	130	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-32	°C	ISO 11357-1/-2
Other properties			
Density	1200	kg/m ³	ISO 1183
Moisture Content	0.1	%	-
Density	1200	kg/m ³	ASTM D 792

Characteristics**Processing**

Film Extrusion

Regional Availability

North America, Europe

Delivery form

Pellets