

Isoplast® 300 ETP

TPU

Lubrizol Advanced Materials Spain S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2130	MPa	ISO 527
Yield stress	63	MPa	ISO 527
Yield strain	7	%	ISO 527
Stress at break	64	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1980	MPa	ISO 178
Izod notched impact strength, +23°C	8.2	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	5.7	kJ/m ²	ISO 180/1A
	-30	°C	-
Shore D hardness	83	-	ISO 7619-1
Thermal properties			
ISO Data			
Glass transition temperature, 10°C/min	90	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	69	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	79	°C	ISO 75-1/-2
Vicat softening temperature, A	96	°C	ISO 306
Optical properties			
ASTM Data			
Light Transmittance	92	%	ASTM D 1003
Other properties			
Density	1210	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570

Characteristics**Processing**

Injection Molding, Sheet Extrusion

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Regional Availability

North America, Europe, Asia Pacific