

Isoplast® 301 ETP

TPU

Lubrizol Advanced Materials Spain S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	2100	MPa	ASTM D 638
Tensile Strength at Yield	69	MPa	ASTM D 638
Tensile Strength at Break	63	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	140	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	97	MPa	ASTM D 790
Rockwell Hardness	R 123	-	ASTM D 785
Izod Impact notched, 1/8 in	128	J/m	ASTM D 256
Izod Impact notched, 1/4 in	91	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	43	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	61	E-6/K	ASTM D 696
DTUL @ 66 psi	88	°C	ASTM D 648
DTUL @ 264 psi	77	°C	ASTM D 648
Vicat Temperature	109	°C	ASTM D 1525
Optical properties			
ASTM Data			
Light Transmittance	90	%	ASTM D 1003
Other properties			
Value			
Water Absorption, 24hr	0.19	%	ASTM D 570
Density	1200	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific