

Isoplast® 302EZ 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	1900	MPa	ASTM D 638
Tensile Strength at Yield	83	MPa	ASTM D 638
Tensile Strength at Break	69	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	97	MPa	ASTM D 790
Rockwell Hardness	R 124	-	ASTM D 785
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	59	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	58	E-6/K	ASTM D 696
DTUL @ 66 psi	132	°C	ASTM D 648
DTUL @ 264 psi	116	°C	ASTM D 648
Vicat Temperature	147	°C	ASTM D 1525
Optical properties			
ASTM Data			
Light Transmittance	88	%	ASTM D 1003
Other properties			
Density	1200	kg/m ³	ASTM D 792

Characteristics**Certifications**

Drinking water contact, Drinking water contact NSF 61

Regional Availability

North America, Europe, Asia Pacific