

IROGRAN® A 60 E 4612 N

TPU

Huntsman Polymers Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	3.0	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.03	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Compression set at 23 °C, 24h	43	%	ISO 815
Compression set at 70 °C, 24h	54	%	ISO 815
Tear strength	35	kN/m	ISO 34-1
Abrasion resistance	55	mm ³	ISO 4649
ASTM Data			
Modulus at 100% Elongation	3.52	MPa	ASTM D 412
Modulus at 300% Elongation	5.52	MPa	ASTM D 412
Shore A Hardness	65	-	ASTM D 2240
Shore D Hardness	18	-	ASTM D 2240
Tear Strength	63	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	54	%	ASTM D 395
Tensile Strength	25.5	MPa	ASTM D 412
Elongation at Break	900	%	ASTM D 412
Other properties			
Density	1170	kg/m ³	ISO 1183
Density	1170	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America