

IROGRAN® A 92 H 4656

TPU

Huntsman Polymers Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	75	cm ³ /10min	ISO 1133
Temperature	210	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Compression set at 23 °C, 24h	25	%	ISO 815
Compression set at 70 °C, 24h	43	%	ISO 815
Tear strength	100	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
ASTM Data			
Modulus at 100% Elongation	9.79	MPa	ASTM D 412
Modulus at 300% Elongation	17.7	MPa	ASTM D 412
Shore A Hardness	93	-	ASTM D 2240
Shore D Hardness	40	-	ASTM D 2240
Tear Strength	135	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	43	%	ASTM D 395
Tensile Strength	38.3	MPa	ASTM D 412
Elongation at Break	710	%	ASTM D 412
Other properties			
Density	1210	kg/m ³	ISO 1183
Density	1210	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

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

Special Characteristics

Anti-static, U.V. stabilized or stable to weather