

IROGRAN® A 95 P 5044 DP

TPU

Huntsman Polymers Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Compression set at 23 °C, 24h	29	%	ISO 815
Compression set at 70 °C, 24h	82	%	ISO 815
Tear strength	115	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
ASTM Data			
Modulus at 100% Elongation	11	MPa	ASTM D 412
Modulus at 300% Elongation	27.6	MPa	ASTM D 412
Shore A Hardness	95	-	ASTM D 2240
Shore D Hardness	52	-	ASTM D 2240
Tear Strength	105	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	82	%	ASTM D 395
Tensile Strength	55.2	MPa	ASTM D 412
Elongation at Break	470	%	ASTM D 412
Other properties			
Density	1140	kg/m ³	ISO 1183
Density	1140	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

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

Special Characteristics

Transparent