

IROGRAN® A 70 H 4673 M

TPU

Huntsman Polymers Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	50	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Compression set at 23 °C, 24h	34	%	ISO 815
Compression set at 70 °C, 24h	48	%	ISO 815
Tear strength	45	kN/m	ISO 34-1
Abrasion resistance	35	mm ³	ISO 4649
ASTM Data			
Modulus at 100% Elongation	4.14	MPa	ASTM D 412
Modulus at 300% Elongation	8.41	MPa	ASTM D 412
Shore A Hardness	71	-	ASTM D 2240
Shore D Hardness	21	-	ASTM D 2240
Tear Strength	80.5	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	48	%	ASTM D 395
Tensile Strength	30.7	MPa	ASTM D 412
Elongation at Break	790	%	ASTM D 412
Other properties			
Density	1150	kg/m ³	ISO 1183
Density	1150	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Features

Soft Feel

Special Characteristics

Transparent

Regional Availability

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