

**IROGRAN® A 70 E 4675**

TPU

Huntsman Polymers Corp.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>30</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>21.6</b>	kg	-
Molding shrinkage, parallel	<b>1.6</b>	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.016</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Compression set at 23 °C, 24h	<b>35</b>	%	ISO 815
Compression set at 70 °C, 24h	<b>58</b>	%	ISO 815
Tear strength	<b>35</b>	kN/m	ISO 34-1
Abrasion resistance	<b>90</b>	mm <sup>3</sup>	ISO 4649
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>3.93</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>6.55</b>	MPa	ASTM D 412
Shore A Hardness	<b>75</b>	-	ASTM D 2240
Shore D Hardness	<b>25</b>	-	ASTM D 2240
Tear Strength	<b>52.5</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	<b>58</b>	%	ASTM D 395
Tensile Strength	<b>15.2</b>	MPa	ASTM D 412
Elongation at Break	<b>650</b>	%	ASTM D 412
<b>Other properties</b>			
Density	<b>1150</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1150</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

White

**Features**

Soft Feel

**Applications**

Automotive, Sports Equipment

**Regional Availability**

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