

**MIRATHANE® E175D**

TPU

Miracll Chemicals Co., Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>35</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>43</b>	MPa	ASTM D 412
Shore D Hardness	<b>75</b>	-	ASTM D 2240
Tear Strength	<b>240</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>32</b>	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	<b>40</b>	%	ASTM D 395
Tensile Strength	<b>60</b>	MPa	ASTM D 412
Elongation at Break	<b>300</b>	%	ASTM D 412

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Glass Transition Temperature	<b>-15</b>	°C	ASTM E 1356

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1220</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Wire/Cable Extrusion

**Applications**

Automotive, Electrical and Electronical

**Chemical Resistance**

General Chemical Resistance, Oil Resistance

**Regional Availability**

North America, Europe, Asia Pacific