

**APILON™ 52 A-56E**

TPU

Trinseo

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Abrasion resistance	<b>80</b>	mm <sup>3</sup>	ISO 4649
<b>ASTM Data</b>			
Tensile Strength	<b>27</b>	MPa	ASTM D 638
Elongation at Break	<b>850</b>	%	ASTM D 638
Modulus at 100% Elongation	<b>2</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>3.5</b>	MPa	ASTM D 412
Shore A Hardness	<b>57</b>	-	ASTM D 2240
Tear Strength	<b>55</b>	kN/m	ASTM D 624

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1170</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Hydrolytically Stable, Oil Resistance

**Special Characteristics**

Light stabilized or stable to light

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa