

**ISOTHANE 2090A**

TPU

Great Eastern Resins Industrial 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>9.7</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>23</b>	MPa	ASTM D 412
Shore A Hardness	<b>92</b>	-	ASTM D 2240
Tear Strength	<b>90</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>20</b>	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	<b>25</b>	%	ASTM D 395
Tensile Strength	<b>40</b>	MPa	ASTM D 412
Elongation at Break	<b>500</b>	%	ASTM D 412

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Other Extrusion, Blow Molding

**Chemical Resistance**

Solvent Resistance, Hydrolytically Stable

**Applications**

General Purpose, Sports Equipment

**Regional Availability**

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