

ISOTHANE 1090AE

TPU

Great Eastern Resins Industrial Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	9	MPa	ASTM D 412
Modulus at 300% Elongation	12	MPa	ASTM D 412
Shore A Hardness	90	-	ASTM D 2240
Tear Strength	90	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	30	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	70	%	ASTM D 395
Tensile Strength	29	MPa	ASTM D 412
Elongation at Break	540	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion, Blow Molding

Chemical Resistance

Solvent Resistance

Special Characteristics

Transparent

Regional Availability

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