

ISOTHANE 1090A

TPU

Great Eastern Resins Industrial Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	9.7	MPa	ASTM D 412
Modulus at 300% Elongation	23	MPa	ASTM D 412
Shore A Hardness	92	-	ASTM D 2240
Tear Strength	95	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	25	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	30	%	ASTM D 395
Tensile Strength	39	MPa	ASTM D 412
Elongation at Break	550	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion, Blow Molding

Chemical Resistance

Solvent Resistance

Applications

Electrical and Electronical, General Purpose, Sports Equipment

Regional Availability

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