

ISOTHANE 5090A

TPU

Great Eastern Resins Industrial Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	8.3	MPa	ASTM D 412
Modulus at 300% Elongation	17	MPa	ASTM D 412
Shore A Hardness	90	-	ASTM D 2240
Tear Strength	700	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	25	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	40	%	ASTM D 395
Tensile Strength	41	MPa	ASTM D 412
Elongation at Break	550	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1150	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion, Blow Molding

Features

Fungus Resistance

Chemical Resistance

Hydrolytically Stable

Applications

Medical

Regional Availability

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