

ATG s.r.l. IR Synthetic Polyisoprene

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATG-srl-IR-Synthetic-Polyisoprene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30 - 90	30 - 90	
Tensile Strength, Ultimate	12.0 - 30.0 MPa	1740 - 4350 psi	
Elongation at Break	125 - 850 %	125 - 850 %	
Rebound	30 - 65 %	30 - 65 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 °C	176 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Descriptive Properties	Value	Comments
Abrasion Resistance	high	
Chemical Resistance to Animal and Vegetable Oils and Greases	none	
Chemical Resistance to Aromatic Hydrocarbons	none	
Chemical Resistance to Chloride Solvents	none	
Chemical Resistance to Distilled Water	medium	
Chemical Resistance to Ketones	medium	
Chemical Resistance to Maximum Concentrated Alkalis (at 50°C)	medium	
Chemical Resistance to Medium-High Concentrated Acids (at 50°C)	low	
Chemical Resistance to Mineral Oils and Aliphatic Hydrocarbons	none	
Compression set at 100°C	medium	
Impermeability at gas (Oxygen and Nitrogen)	low	

Resistance to Flame Descriptive Properties	Value	Comments
Resistance to Heat Aging	low	
Resistance to Low Temperatures	medium	
Resistance to Ozone and Weathering	medium	
Tear Strength	high	

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