

ISORENE™ A4-1001

Thermoplastic Elastomer

SABIC Innovative Plastics Europe

Message:

ISORENE A4-1001 is a special compound in a natural opaque color for technical applications.

The value listed as Strain at Break, ISO 527, was tested in accordance with ISO 37.

The value listed as Stress at Break, ISO 527, was tested in accordance with ISO 37.

General Information			
Appearance	Natural Color		
	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	43		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	3.00	MPa	ISO 527-2
Tensile Strain (Break)	400	%	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	8.0	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	14	%	
70°C, 24 hr	30	%	
100°C, 24 hr	70	%	
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact ¹ (-30°C)	19.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow (-30 to 60°C)	1.0E-4	cm/cm/°C	ASTM D696
NOTE			
1.	2.20 m/sec		

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