

SAS-612

Select-a-Seal®/Rubber Edged Composite Gasket

Description

SAS-612 combines a high density fiber carrier with a polyacrylic edge sealing bead. It is used for sealing oil, axle lube, and some hydraulic fluid applications that require a high strength carrier. Typical applications include small engine, automotive, and heavy-duty diesel driveline components, with continuous service temperatures up to 160°C (320°F).

Specification Properties

Property	Value	Method
Carrier Material	SAS-6	
General Description of Carrier	High density, fully cured nitrile butadiene bound material with synthetic fiber blend.	
Caliper, mm(inch)	0.5, 0.8, 1.0 (0.020, 0.031, 0.039)	ASTM F 104
Density, g/cc(lb/cu.ft)	1.44 (90) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	12 - 20	ASTM F 36
Recovery, %	45 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	8.97 (1300) (min.)	ASTM F 152
Polymer Edge	SAS-12	
General Description of Polymer	Polyacrylic Blend, generally used for oil applications.	
ASTM Classification	M1EB604	ASTM D 2000
Temperature Rating, °C(°F)	175 (350)	ASTM D 2000
Durometer Hardness, Type A	55 - 65	ASTM D 2240
Tensile Strength, Initial, MPa(psi)	4 (580) (min.)	ASTM D 412
Edge Height	Specified on part drawing.	ISI M10.4X102

Remarks and Related Documents

Carrier specification values determined by the test methods required for ASTM F-104, Type 7 materials. Carrier is available with release coating per ISI 123316. Carrier caliper and release coating, and polymer edge height are specified on part drawing.

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For more information, please visit www.InterfaceMaterials.com or contact

WORLD HEADQUARTERS
Interface Performance Materials, Inc.
216 Wohlsen Way
Lancaster, PA 17603
USA
+1.717.207.6000

TECHNICAL CENTER
Interface Performance Materials, Inc.
215 Wohlsen Way
Lancaster, PA 17603
USA
AE@InterfaceMaterials.com
+1.717.207.6000

NORTH AMERICA
Interface Performance Materials, Inc.
22260 Haggerty Road, Suite 200
Northville, MI 48167
USA
+1.248.596.2800

ASIA PACIFIC
Interface Sealing Solutions Shanghai Co., LTD
Unit 14F, No. 728
Yan An Road West, Changning District
Shanghai 200050
China
+8621.5238.5650

INDIA
Interface Performance Materials India LLP
Mandkola Road, Vill. Atta, Sohna,
Distt: Mewat, Nuh-122103 (Haryana)
+91.0124.8930992166

EUROPE & SOUTH AMERICA
Interface Sealing Solutions Europe
Lili Pean, Le Bourg
Bonloc 64240
France
+33.5.5929.1220

GERMANY
Interface Performance Materials
Altenkirchen GmbH
P.O. Box 12 63
Koblenzer Strasse
Altenkirchen D-57610
Germany
+49.2681.80020