

SAS-1112

Select-a-Seal®/Rubber Edged Composite Gasket

Description

SAS-1112 combines a high density fiber carrier with a polyacrylic edge sealing material for oil and air sealing applications. The carrier is available in 0.5mm gauge only, and is specifically formulated for maximum bolt load retention in applications with continuous service temperatures up to 175°C (350°F). It can tolerate a maximum temperature of 232°C (450°F) for up to 1 hour.

Specification Properties

Property	Value	Method
Carrier Material	SAS-11	
General Description of Carrier	High density, fully cured nitrile butadiene bound material with synthetic fiber blend. Specifically formulated for maximum bolt load retention.	
Caliper, mm(inch)	0.5 (0.020)	ASTM F 104
Density, g/cc(lb/cu.ft)	1.44 (90) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	10 - 18	ASTM F 36
Recovery, %	55 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	6.21 (900) (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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