

SAS-812

Select-a-Seal®/Rubber Edged Composite Gasket

Description

SAS-812 combines a super-duty fiber carrier with a polyacrylic edge sealing bead. It is used for sealing oil, axle lube, and some hydraulic fluid applications that require resistance to high internal pressures, high compression and/or shear forces, or high temperatures. Typical applications include heavy duty/diesel engine structural joints and automotive axle, transmission, and transfer case connections, with continuous service temperatures up to 175°C (350°F).

Specification Properties

Property	Value	Method
Carrier Material	SAS-8	
General Description of Carrier	High density, fully cured nitrile butadiene and thermoset resin bound material with Aramid fiber blend.	
Caliper, mm(inch)	0.5, 0.8, 1.0, 1.2, 1.6 (0.020, 0.031, 0.039, 0.047, 0.062)	ASTM F 104
Density, g/cc(lb/cu.ft)	1.45 (90.5) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	7 - 17	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	24.10 (3500) (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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