

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, 1.6 (0.020, 0.031, 0.039, 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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