

SAS-821

Select-a-Seal®/Rubber Edged Composite Gasket

Description

SAS-821 combines a super-duty fiber carrier with a styrene butadiene rubber sealing bead. It is used for sealing water and coolant applications that require resistance to high internal pressures or high compression and/or shear forces. Typical applications include front covers, oil cooler housings, and water manifolds, with continuous service temperatures up to 125°C (257°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-21	
General Description of Polymer	Styrene Butadiene Rubber Blend, generally used for water and coolant applications.	
ASTM Classification	M1CA503	ASTM D 2000
Temperature Rating, °C(°F)	125 (257)	ASTM D 2000
Durometer Hardness, Type A	45 - 55	ASTM D 2240
Tensile Strength, Initial, MPa(psi)	3 (345) (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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