

# SAS-221

## Select-a-Seal®/Rubber Edged Composite Gasket

### Description

SAS-221 combines a low density fiber carrier with a styrene butadiene rubber sealing bead. It is used for sealing water and coolant mixtures in applications that require the carrier to conform to extreme irregularities such as plastic parts, as-cast aluminum, and thin metal stampings. It is intended for continuous service at temperatures up to 125°C (257°F).

### Specification Properties

Property	Value	Method
Carrier Material	SAS-2	
General Description of Carrier	Low density, nitrile butadiene bound material with reinforced cellulose fiber.	
Caliper, mm(inch)	1.0, 1.2 (0.039, 0.047)	ASTM F 104
Density, g/cc(lb/cu.ft)	0.87 (54) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	28 - 42	ASTM F 36
Recovery, %	20 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(ksi)	8.62 (1250) (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(ksi)	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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