



COMPOSITE MATERIAL RAM PART 6869 (NIF15-3.0SA/PA11-1.5)

MATERIAL SPECIFICATION SHEET

NIF15-3.0SA

PROPERTY	TEST METHOD	TYPICAL RESULTS
Base Polymer		Nitrile/PVC
ASTIM Designation	ASTM D1056-91	2B1
SAE Designation	SAE J18-88	2B1
Compression Deflection	SAE J18-88	2.05.Opsi (13.9-34.5 KPa)
Density	ASTM D3574	5-8 lb/ft ³ (80-128 kg/m ³)
Tensile	ASTM D412, Die A	40-60 psi (276-414 KPa)
Elongation	ASTM D412, Die A	150-250%
Water Absorption	ASTM D1056	3.0-7.0%
Tear Resistance	ASTM D624, Die C	8.0-12.0 lb/in (1.40-2.10 KN/m)
Compression Set	SAE J18-88	15.25%
Compression Set, 70°C	SAE J18-88	75-90%
Low Temp. Flexibility	SAE J18-88	-20°F (-29°C)
Service Temp. (CUTL)	SAE J22-36	180°F (82°C)
Stain Resistance	ASTM D925B	No Staining
Ozone Resistance	ASTM D1171	"O" Rating
Flammability	FMVSS 302 UL94	< 1"/min HF-1 Rating



The company's products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers assistance only and without liability on the part of the company

PA11-1.5

PROPERTY	TEST METHOD	TYPICAL RESULTS
Maximum Recommended Service Temperature		120°C/250°F
Colour		Brown
Compressibility	At 70kg/cm ² (1000 psi)	25% - 40%
Recovery		40% Min.
Tensile Strength across grain		13.79MN/m ² Min.

Fluid Resistance Properties after 22 hours at 21°C (70°F) to 30°C (85°F)

ASTM Oil No.3	Weight increase 15% Max	Thickness increase 5% Max
ASTM Reference Fuel B	Weight increase 15% Max	Thickness increase 5% Max
Distilled Water	Weight increase 90% Max	Thickness increase 30% Max

Self-adhesive Backed

PROPERTY	TYPICAL RESULTS	UNITS
Composition	Solvent Acrylic adhesive	
Release Liner	White Polythene-coated Kraft	
Thickness	0.115	mm
Carrier	Tissue	
Peel adhesion	800 N/m open	N/m
Tack	800	N/m
Tensile strength	1000	N/m
Elongation at break	4	%
Release	10	N/m
Temperature range	-40 to +140	°C
Application temperature	+5 to +25	°C



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