TECH DATA

Williams Everlastic® Closed Cell Neoprene Type NN-1 1040 Series

revised 12-12-06

Description

- **Everlastic® NN-1** is a soft, closed cell expanded sponge rubber.
- Blend of Neoprene, EPDM and SBR

Material Specifications

- ASTM D - 1056: **2A1**
- SAE designation: **2A1**
- ASTM D - 6576: **II A/BC Soft**
- Listed to: **UL508, UL50, JMLU2**

Applications

- Expansion joint filler in masonry and concrete.
- Filler support sealant in traffic bearing joints.
- Other applications that require a firm, economical and durable gasket.

Available sizes and packaging

- Available in sheets, strips or cut parts
- Available with self-stick, pressure sensitive adhesive (PSA) on one or two sides.
- Cut to thickness, width and length.
- Larger dimensions factory spliced or bonded as needed.

Typical Physical Properties	Unit	Test Method	Typical Results
Density:	lb/ft³	ASTM D-1056	6 ± 2
	g/cm³	ASTM D-1056	0.096 ± 0.032
Hardness	Durometer Shore 00	ASTM D-2240	45 ± 5
Compression Deflection	25% psi	ASTM D-1056	3.5 ± 1.5
	kPa	ASTM D-1056	24 ± 10
Compression Set	%	ASTM D-1056	<40
Tensile Strength	psi	ASTM D-412 (Die A)	75
	kPa		520
Tear Strength	lb/in	ASTM D-624 (Die C)	9.6
	kN/m		1.7
Elongation	Typical Properties %	ASTM D-412 (Die A)	125
Resilience	%	ASTM D-2632	35
Service Temperature	Low °F	ASTM D-746	-40
	High Continuous °F	ASTM D-746	200
	High Intermittent °F	ASTM D-746	250
Water Absorption	maximum Weight change %	ASTM D-1056	< 5
Fluid Immersion:	7 days @ 23° C (73.4° F)	ASTM D-1056	Not
	ASTM Ref. Fuel B, weight change max. %		Applicable
Accelerated Aging	7 days @ 70° C (158° F)		
	Flexibility 180° (bend without cracking)	ASTM D-1056	Pass
	Change in Compression - deflection	ASTM D-1056	± 30%
Combustion Characteristics		FMVSS -302	Pass
		UL 04HF-1	Pass

WILLIAMS PRODUCTS, INC.

WILLIAMS PRODUCTS, INC.
1750 MAPLELAWN BOULEVARD - TROY MICHIGAN 48084 - PHONE (248) 643-6400 - TOLL FREE (800) 521-9594 - FAX (248) 643-7117
www.williamsproduct.net