

DATA SHEET
5022



Made from FDA approved ingredients 21 CFR 177.2600

Polymer Base: **Neoprene, EPDM, SBR Blend**

F-05022 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	kg/m ³	ASTM D 1056	96 ± 32
	lb/ft ³	ASTM D 1056	6 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	50 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	48 ± 14
	psi	ASTM D 1056	7 ± 2
Compression Set (Room temp)	%	ASTM D 1056	≤ 35%
Tensile Strength	kPa	ASTM D 412 (Die A)	690
	psi	ASTM D 412 (Die A)	100
Tear Strength	kN/m	ASTM D 624 (Die C)	1.7
	lb/in	ASTM D 624 (Die C)	9.6
Elongation	%	ASTM D 412 (Die A)	125%
Resilience	%	ASTM D 2632	35%
Service Temperature			
Low	°F (°C)	ASTM D 746	-40°F (-40°C)
High Continuous	°F (°C)	ASTM D 746	200 °F (93.3°C)
High Intermittent	°F (°C)	ASTM D 746	250°F (121.1°C)
Water Absorption			
Maximum Weight Change	%	ASTM D 1056	< 10%
Fluid Immersion (7 days at 23°C [73.4°F])			
ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	Not Applicable
Accelerated Aging (7 days at 70°C [158°F])			
Flexibility (180° bend without cracking)		ASTM D 1056	Pass
Appearance change		ASTM D 1056	None
Change in Compression Deflection	%	ASTM D 1056	± 30%
Combustion Characteristics		Thicknesses	Comments
FMVSS-302		0.187" (4.76 mm) & higher	Pass

ASTM D 1056 designation: 2A2
 SAE J 18 APR2002 designation: 2A2
 ASTM D 6576: Type II, Grades B & C, Condition Soft-medium
 EPDM = (ethylene-propylene-diene-methylene)
 SBR = styrene-butadiene rubber
 Neoprene = polychloroprene (CR = chloroprene rubber)

Hanna Rubber Company
908 West 25th Street
Kansas city, Mo 64108
www.hannarubber.com
sales@hannarubber.com