

DATA SHEET (effective 02/22/08)

Polymer Base: Neoprene (CR Based)

F-02045 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm <sup>3</sup>	ASTM D 1056	0.304 ± 0.064
	lb/ft <sup>3</sup>	ASTM D 1056	19 ± 4
Hardness, Durometer Shore 00		ASTM D 2240	70 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	145 ± 28
	psi	ASTM D 1056	21 ± 4
Compression Set	%	ASTM D 1056	≤ 25%
Tensile Strength	kPa	ASTM D 412 (Die A)	1030
	psi	ASTM D 412 (Die A)	150
Tear Strength	kN/m	ASTM D 624 (Die C)	6.1
	lb/in	ASTM D 624 (Die C)	35
Elongation	%	ASTM D 412 (Die A)	175%
Resilience	%	ASTM D 2632	15%
Service Temperature			
Low	°F	ASTM D 746	-40
High Continuous	°F	ASTM D 746	150
High Intermittent	°F	ASTM D 746	200
Water Absorption			
Maximum Weight Change	%	ASTM D 1056	< 5%
Fluid Immersion (7 days at 23 °C [73.4 °F])			
ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	< 150%
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		FMVSS-302	Pass

ASTM D 1056 designation: **2C5**  
 SAE J 18 APR2002 designation: **2C5**  
 ASTM D 6576: **II-A/B Firm**

For updates to this document please refer to our website.

Armacell provides this information as a technical service. To the extent the information is derived from sources other than Armacell, Armacell is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Armacell's own technical analysis and testing is accurate to the extent of our knowledge and ability, using effective standardized methods and procedures. Each user of these products, or information, should perform their own tests to determine the safety, fitness and suitability of the products, or combination of products, for any foreseeable purposes, applications and uses by the user and by any third party to which the user may convey the products. Since Armacell cannot control the end use of this product, Armacell does not guarantee that the user will obtain the same results as published in this document. The data and information is provided as a technical service, and the data and information are subject to change without notice.

Armacell LLC • 100 Locust Avenue • Spencer WV 25276  
 email: info.us@armacell.com • www.armacell.com

Spencer, WV • 800-638-6312 or 304-927-1380, ext 26 • fax: 304-927-5731  
 Mebane, NC • 800-973-0490 or 919-304-3846, ext 3972 • fax: 919-304-3847

© 2008 Armacell LLC

F-02045	01	02	08	NA	NA
---------	----	----	----	----	----

ALL ARMACELL FACILITIES IN NORTH AMERICA ARE  
 ISO 9001:2000 OR ISO/TS 16949:2002 CERTIFIED