



**MANUFACTURER OF  
CLOSED CELL SPONGE RUBBER  
& PLASTIC FOAM**

**MADE IN AMERICA  
TRUSTED THROUGHOUT THE  
WORLD**



**JULY 23, 2018 R1**

**NON SULPHUR CURE – 100% NEOPRENE <sup>A</sup>**

**DURAFOAM™ NSC41NEO, NSC42NEO, NSC43NEO, NSC44NEO, NSC45NEO**

PHYSICAL PROPERTIES	DURAFOAM NSC41NEO	DURAFOAM NSC42NEO	DURAFOAM NSC43NEO	DURAFOAM NSC44NEO	DURAFOAM NSC45NEO
Polymer	100% Neoprene	100% Neoprene	100% Neoprene	100% Neoprene	100% Neoprene
Color	Black	Black	Black	Black	Black
Specifications: ASTM-D 1056-14 ASTM-D 1056-67 SAE J18-02	2C1 SCE41 2C1	2C2 SCE42 2C2	2C3 SCE43 2C3	2C4 SCE44 2C4	2C5 SCE45 2C5
25% Compression Deflection (Lbs./in <sup>2</sup> )	2 - 5	5-9	9-13	13-17	17-25
Shore OO Durometer (Approximate)	30 - 50	40-60	50-70	60-70	60-80
Density (Approximate Lbs./Ft <sup>3</sup> )	10	12	15	19	22
Water Absorption by Weight (Max. %)	5%	5%	5%	5%	5%
Temperature Range	-70 to 200F	-70 to 200F	-70 to 200F	-70 to 200F	-70 to 200F
Weather Resistance: UV Ozone	Excellent Excellent	Excellent Excellent	Excellent Excellent	Excellent Excellent	Excellent Excellent
Low Temperature Flex, 5hrs at -40° F (-40 °C)	Pass No Cracks	Pass No Cracks	Pass No Cracks	Pass No Cracks	Pass No Cracks
Accelerated aging, change from original Compression Deflection values (Max %)	+/-30%	+/-30%	+/-30%	+/-30%	+/-30%
Accelerated Linear Shrinkage (Typical)	5%	5%	5%	5%	5%
Fuel B Resistance (% Max)	250	150	150	150	150
Tensile Strength (Typical)	45 PSI	70 PSI	90 PSI	100 PSI	150 PSI
Elongation (Typical)	250%	250%	250%	250%	250%
Compression Set (%)	35%	35%	25%	25%	25%
Flammability: FM VSS No. 302 ASTM D 6576 UL 94 HBF UL 94 HF1	Pass Pass Pass Pass	Pass Pass Pass Pass	Pass Pass Pass Pass	Pass Pass Pass Pass	Pass Pass Pass Pass

**A - THIS PRODUCT IS CURED WITHOUT SULPHUR. MONMOUTH ADDS NO SULPHUR FOR CURING. APPLICATIONS SENSITIVE TO SULPHUR, USE NON SULPHUR CURED CLOSED CELL SPONGE. AS WITH ANY OF OUR PRODUCTS IT IS ALWAYS RECOMMENDED THE CUSTOMER TEST THE MATERIAL IN THEIR SPECIFIC APPLICATION.**

**DISCLAIMER:** To the extent that the above product information is derived from sources other than Monmouth Rubber, Monmouth Rubber is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Monmouth Rubber'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 Monmouth Rubber cannot control the end use of this product, Monmouth Rubber 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 is subject to change without notice. When considering the above product as a competitive equivalent material, please keep in mind that some materials have unique physicals that are not part of the recognized industry specifications and standards. Therefore, customer sample evaluation and approval of any substitution is suggested. Monmouth Rubber will supply free of charge evaluation & testing of its materials to assist customers in their evaluation. For technical evaluation and support, please contact John M. Bonforte, Sr., Ext. 12, or email: [johnsr@monmouthrubber.com](mailto:johnsr@monmouthrubber.com)



**ISO CERTIFIED 9001:2015  
CERTIFICATE #US08/5033**



**Have a Technical Question?**  
**"Ask John"** is Monmouth's global technical support service. It is **FREE** and brings real value to your company. It allows Monmouth's customers and visitors to have a 24/7 Technical Library & Test lab, absolutely **FREE**.  
 Have a technical question or problem?  
 Just email [johnsr@monmouthrubber.com](mailto:johnsr@monmouthrubber.com), or call 1-732-229-3444 Ext 12 and **"Ask John"**.