



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

**MADE IN AMERICA  
TRUSTED THROUGHOUT THE  
WORLD**



MAY 2018

**DURAFOAM™ C41NEO, C42NEO, C43NEO, C44NEO, C45NEO  
100% CLOSED CELL NEOPRENE**

PHYSICAL PROPERTIES	DURAFOAM™ C41NEO	DURAFOAM™ C42NEO	DURAFOAM™ C43NEO	DURAFOAM™ C44NEO	DURAFOAM™ C45NEO
Polymer	100% Neoprene	100% Neoprene	100% Neoprene	100% Neoprene	100% Neoprene
Color	Black	Black	Black	Black	Black
Specifications:					
ASTM-D 1056-14	2C1	2C2	2C3	2C4	2C5
ASTM-D 1056-67	SCE41	SCE42	SCE43	SCE44	SCE45
SAE J18-02	2C1	2C2	2C3	2C4	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	Excellent	Excellent	Excellent	Excellent	Excellent
Ozone	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	Pass	Pass	Pass	Pass	Pass
ASTM D 6576	Pass	Pass	Pass	Pass	Pass
UL 94 HBF	Pass	Pass	Pass	Pass	Pass
UL 94 HF1	Pass	Pass	Pass	Pass	Pass

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



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