

ENGINEERED FOR VERSATILITY

EnsoLine[®] NP41

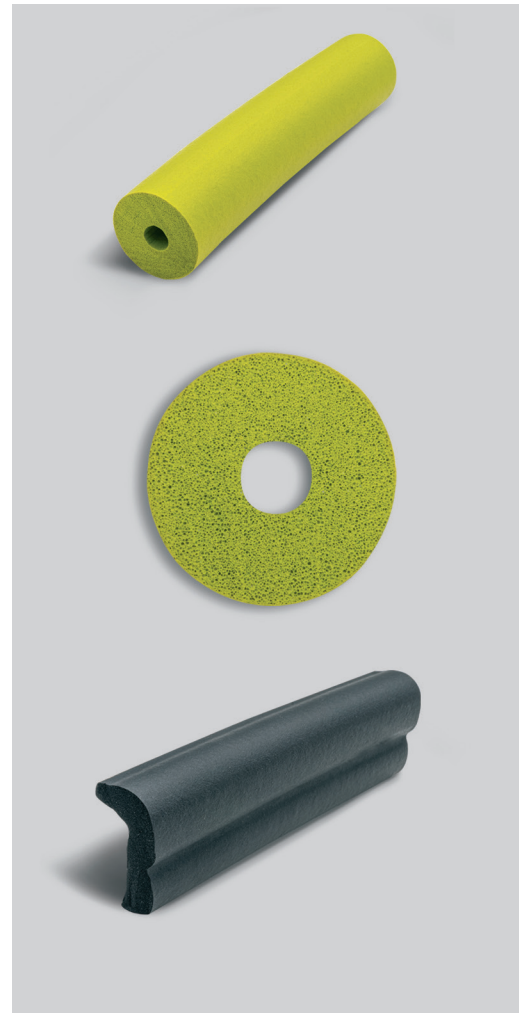
Closed cell NBR/PVC blended rubber tube / rod / profile

// ASTM D 1056 2A1 / 2C1 / 2B1

// Oil and fuel resistant

// Color black

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 **armacell**[®]
ArmaComp[™]

ENSOLINE® NP41 | Closed cell NBR/PVC blended rubber tube / rod / profile

EnsoLine NP41: Armacell (Conover, NC Plant) manufactures a black, closed cell, 4 - 7 lb/ft³ (64 - 112 kg/m³) density, NBR/PVC blended rubber tube / rod / profile product NP41, that meets the requirements of ASTM D 1056 2A1 / 2C1 / 2B1. NP41 meets the horizontal burn / flame requirements of FMVSS 302 at 0.500" (1/2") (12.7 mm) & higher.

TECHNICAL DATA SHEET | TUBE / ROD / PROFILE (effective 12/28/2021)

POLYMER: NBR/PVC

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A1 2C1 2B1	
Cell Structure	-	-	Closed	
Color	-	-	Black	
Compression Deflection 25%	ASTM D 1056	psi kPa	2 - 5 13.8 - 34.5	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30	
Compression Set (Room temp)	ASTM D 1056	%	40 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	4 - 7 64.1 - 112.1	
Elongation	ASTM D 412 (Die A)	%	100 min	
Flammability	FMVSS 302	in mm	0.500 and higher 12.7 and higher	
Fluid Immersion	ASTM D 1056	%	100 max	
Hardness, Durometer Shore 00	ASTM D 2240	-	30 - 50	
Service Temperature	Low	ASTM D 1056	°F °C	-40 -40
	High Intermittent	-	°F °C	200 93.3
Tensile Strength	ASTM D 412 (Die A)	psi kPa	30 min 207 min	
Water Absorption	ASTM D 1056	%	10 max	

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EnsoLine NP41 | DataSheet | 112022 | NA | EN-A

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,100 employees and 26 production plants in 18 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

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