

ENGINEERED FOR VERSATILITY

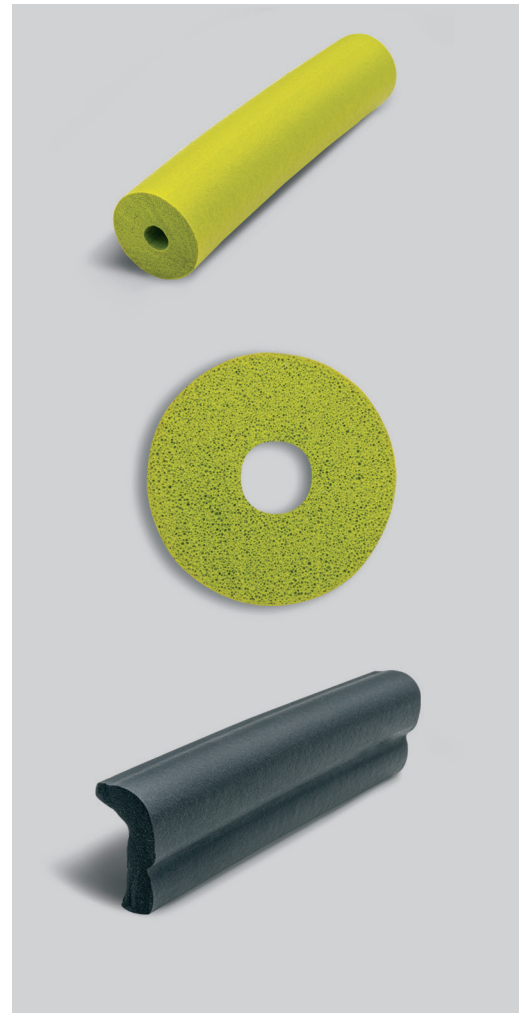
EnsoLine[®] ICF-400

Semi-closed cell, "crushed" NBR/PVC rubber tube / rod / profile

// ASTM D 1056 1A0

// Color black

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 **armacell**[®]
ArmaComp[™]

ENSOLINE® ICF-400 | Semi-closed cell, “crushed” NBR/PVC rubber tube / rod / profile

EnsoLine ICF-400: Armacell (Conover, NC Plant) manufactures a black, super soft, semi-closed cell, “crushed” NBR/PVC blended rubber tube / rod / profile, 5 - 11 lb/ft³ [80 - 176 kg/m³] density product ICF-400, that can be graded as an ASTM D 1056 1A0 with one exception to compression set at elevated temperature. ICF-400 has typical 25% compression deflection values of 1.0 psi (6.9 kPa) max.

TECHNICAL DATA SHEET | TUBE / ROD / PROFILE (effective 11/2/2021)

POLYMER: NBR/PVC

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	1A0*	
Cell Structure	-	-	Semi Closed	
Color	-	-	Black	
Compression Deflection 25%	ASTM D 1056	psi kPa	1 max 6.9 max	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 20 max	
Compression Set (Room temp)	ASTM D 1056	%	25 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	5 - 11 80.1 - 176.2	
Elongation	ASTM D 412 (Die A)	%	100 min	
Flammability	FMVSS 302	in mm	0.375 and higher 9.35 and higher	
Service Temperature	Low	ASTM D 1056	°F °C	-40 -40
	High Intermittent	-	°F °C	200 93.3
Tear Strength	ASTM D 624 (Die C)	lb/in kN/m	2.9 min 0.5 min	
Tensile Strength	ASTM D 412 (Die A)	psi kPa	20 min 137.9 min	

*Exception to ASTM D 1056 1A0 compression set at elevated temperature (70°C / 158°F) requirement (15% max).

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EnsoLine ICF-400 | 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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