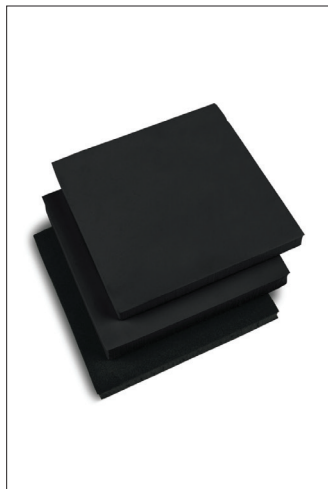




HANNA RUBBER COMPANY

Specification Sheet



Sponge Rubber Closed Cell MLC-Black

Closed Cell PVC/NBR Foam in Continuous Rolls/Sheets Form

Black, continuous (sheets/rolls), closed cell, 3.5 - 5.5 lb/ft³ (56 - 88 kg/m³) density, PVC/NBR rubber product MLC-Black, that meets the requirements of ASTM D 1056 2A1/2C1. MLC-Black meets the horizontal burn/ flame requirements of FMVSS 302 at 0.250" (1/4") (6.35 mm) & higher. MLC-Black is UL listed to UL94 HBF at 6.6 mm (0.260") & higher and UL94 HF-1 at 2.9 - 6.6 mm (0.114" - 0.260") (UL File#: QMFZ2.E55798). MLC-Black is listed with UL to UL50E [periodic & continuous compression] (UL File# JMST2.MH10189). **MLC-Black is listed on the following approved source lists: FCA (Chrysler) MSAY 516 Type 1, Caterpillar 1E0707E & GMW 17408 Class IIIA Type IV.**

- ASTM D 1056 2A1 /2C1
- Manufactured in continuous rolls/sheets
- UL Listed: UL94 HF-1 & HBF
- UL Listed: UL50E (gaskets and seals)
- Listed on the approved source list for FCA (Chrysler) MSAY 516 Type 1, Caterpillar 1E0707E & GMW 17408 Class IIIA Type IV

Technical Data Sheet I Rolls/Sheets (effective 29/03/2021)

POLYMER: PVC/NBR

Physical Property	Test Method	Unit	Value
ASTM D 1056 Designation	-	-	2A1/2C1
Cell Structure	-	-	Closed
Color	-	-	Black
Compression Deflection 25%	ASTM D 1056	psi kPa	2 - 3.5 13.8 - 24.1
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	3.5 - 5.5 56.1 - 88.1
Elongation	ASTM D 412 [Die A]	%	150 min
Flammability	FMVSS 302	in mm	0.25 and higher 6.35 and higher
Fluid Immersion	ASTM D 1056	%	250 max
Hardness, Durometer Shore 00	ASTM D 2240	-	20 - 40
Service Temperature	ASTM D 1056	°F	-40
		°C	-40
	High Intermittent	°F	200
		°C	93.3
Tear Strength	ASTM D 624 [Die C]	lb/in	8 min
		kN/m	1.4 min
Tensile Strength	ASTM D 412 [Die A]	psi	40 min
		kPa	276 min
Water Absorption	ASTM D 1056	%	5 max

UL Listed to: UL94 (Flame) HBF (UL file# QMFZ2.E55798) at 6.6 mm minimum thickness

UL Listed to: UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 2.9 - 6.6 mm only

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Hanna Rubber does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Hanna Rubber also does not assume any liability towards any person resulting from the use of said data or technical information. Hanna Rubber reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.