Technical Data Sheet

Closed Cell Foam

Color-Black

Polymer- PVC / NBR Blend

Physical Properties	Unit	Test Method	Typical Results
Density	kg/m³	ASTM D 1056	40 - 80
	lb/ft³	ASTM D 1056	2.5 - 5.0
Hardness, Durometer Shore 00		ASTM D 2240	30 - 40
Compression Deflection (25%) (1)	kPa	ASTM D 1056	14 - 34
	psi	ASTM D 1056	2.0 - 5.0
50% Compression Set (Room temp)	%	ASTM D 1056	≤ 25% for gauges ≤ 1.0" ≤ 35% for gauges > 1.0"
Tensile Strength	kPa	ASTM D 412 (Die A)	276 minimum
	psi	ASTM D 412 (Die A)	40 minimum
Tear Strength	kN/m	ASTM D 624 (Die C)	0.9
	lb/in	ASTM D 624 (Die C)	5
Elongation	%	ASTM D 412 (Die A)	100 minimum
Service Temperature (1)			
Low	°F (°C)	ASTM D 746	-40 (-40)
High Continuous	°F (°C)	ASTM D 746	—
High Intermittent (2)	°F (°C)	ASTM D 746	200 (93.3)
Water Absorption			
Maximum Weight Change	%	ASTM D 1056	≤ 10%
Fluid Immersion (7 days at 23°C [73.4°F])			
ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	≤ 100%
Accelerated Aging (7 days at 70°C [158°F])			
Flexibility (180° bend without cracking)		ASTM D 1056	Pass
Appearance change		ASTM D 1056	None
Change in Compression Deflection	%	ASTM D 1056	± 30%
Combustion Characteristics (3)		Thicknesses	Comments
FMVSS-302			Pass at most thicknesses
FAR 25.853		1/8" (3.18 mm) & 1/4" (6.35 mm)	Pass
UL94			
HF-1		0.118" (3.0 mm) & higher	Listed, UL file # QMFZ2.E55798

Vertical Flame / 12 Second Burn per FAR 25.853

Appendix F — Part I Test Criteria and Procedures for Showing Compliance with Sec. 25.853 or Sec. 25.855

Min. Thickness	Pass / Fail	Independent Test Lab Report	Test Report ID #	Polymer	ASTM D 1056 Grade	Density lb./ft³	25% CD (psi)
1/8"	Pass	2/18/10	0140	PVC/NBR	2B1	2.5 - 5	2 - 5
1/4"	Pass	2/18/10	0141	PVC/NBR	2B1	2.5 - 5	2 - 5