



Technical Data Sheet

SCE-45B Neoprene Sponge
NE Series - FIRM
Neoprene/EPDM/SBR

Specifications

Polymer	Neoprene/EPDM/SBR
ASTM D 1056-67	SCE-45
ASTM D 1056-78	RE45
ASTM D 1056-07	2A5
ASTM D 1056 Suffix's	A1, B2, C1, F1, M
MIL-R-6130C	II-A Firm
MIL-C-3133C MIL STD 670 B	SCE20
UL94 HF-1	Listed

Physical Properties

Physical Property	Test Method	Unit	Value
Compression Deflection @25%	ASTM D 1056	psi kPa	17 - 25 117.2 – 172.3
Density	ASTM D 1056	pcf g/cm ³	10 - 14 .160 - .224
Compression Set Maximum	ASTM D 1056	%	25
Water Absorption Max. Weight Change	ASTM D 1056	%	5
Temperature Range	ASTM D 746	°F	-40 to +150
High Intermittent	ASTM D 746	°F	+250
Tensile Strength Typical	ASTM D 412 (Die A)	psi kPa	250 1050
Elongation Typical	ASTM D 412 (Die A)	%	125
Heat Aging (7 Days - 158 F) Change in Comp. Defl.	ASTM D 1056	%	±30
Resilience (Typical)	ASTM D 2632	%	15
Color			Black

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