

# Mechanical RUBBER™

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## Technical Data Sheet

## TYPICAL PROPERTIES OF MR35-142A-BK-05

**SPECIFICATIONS:**  
AMS3198

**GENERAL PROPERTIES**  
OPEN CELL NEOPRENE SPONGE

**TEMPERATURE RANGE:**  
-40°F TO 170°F

**COLOR:**  
BLACK

**TYPICAL RESISTANCES:**  
ABRASION  
ACID  
ALKALI  
KETONES  
OXIDATION  
OZONE  
WEATHER

**PROCESSES:**  
FABRICATION  
SHEET

**APPROVALS:**

PHYSICAL PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT
DENSITY - DUROMETER - SPECIFIC VOLUME	ASTM D1056, ASTM D2240 AMS3198	35 - 80, SHORE OO 40 - 51 PCF
TENSILE STRENGTH	ASTM D412	100 PSI
ELONGATION	ASTM D412	250%
TEAR RESISTANCE	ASTM D624, DIE C: LBS/IN	AS TESTED
COMPRESSION SET	ASTM D395, METHOD B ASTM D1056	< 40%
COMPRESSION DEFLECTION	ASTM D575, ASTM D1056	6 - 13 PSI
ACCELERATED HEAT AGING	ASTM D573, ASTM D1056	C/D: -5 TO +30 VOLUME: -10 TO +10
HYDROGEN ION CONCENTRATION (PH)	AMS3198	6.0 - 8.0
OIL RESISTANCE	ASTM D471	PASS
LOW TEMPERATURE	ASTM D1056 ASTM D2137 METHOD A	FLEX TEST: PASS

The above information is furnished as a guide for selecting materials. Mechanical Rubber disclaims liability for results or use of this information. It is the end user's responsibility to obtain and test samples when determining suitability of material for a particular application.