



# Mechanical Rubber

## PRODUCTS COMPANY, INC.

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### Technical Data Sheet

### TYPICAL PROPERTIES OF MR40-241B-BK-01

**SPECIFICATIONS:**

ASTM D1056, 2B1  
ASTM D1056, SBE41  
SAE J18, 2B1  
GM 6086M, II

**GENERAL PROPERTIES:**

CLOSED CELL NITRILE FOAM

**TEMPERATURE RANGE:**

-40°F TO 200°F

**COLOR:**

BLACK

**TYPICAL RESISTANCES:**

DYNAMIC PROPERTIES  
HYDROCARBONS-ALIPHATIC  
OIL-ANIMAL & VEGETABLE  
OIL & GASOLINE  
RADIATION  
SWELLING IN OIL  
TENSILE STRENGTH

**PROCESSES:**

DIE CUTTING  
SHEETING  
FABRICATION

**APPROVALS:**

FMVSS-302: FLAME

PHYSICAL PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT
DENSITY - DUROMETER	ASTM D1056, ASTM D2240	10 - 17 PCF 30 - 50, SHORE OO
TENSILE STRENGTH	ASTM D412	70 PSI
ELONGATION	ASTM D412	200%
TEAR RESISTANCE	ASTM D624, DIE B	N/A
WEATHER RESISTANCE	UV OZONE	EXCELLENT FAIR
COMPRESSION DEFLECTION	ASTM D575, ASTM D1056	2 - 5 PSI
ACCELERATED LINEAR SHRINKAGE	ASTM D573, ASTM D1056	5%
WATER ABSORPTION	ASTM D1056	5%
FUEL B, RESISTANCE	ASTM D471	50%
FLAMMABILITY	FM VSS NO. 302	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.

