

# Mechanical RUBBER™

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## Technical Data Sheet

## TYPICAL PROPERTIES OF MR15-70-15PU

### SPECIFICATIONS:

MILC85052/2  
MILDTL85052/2C

### GENERAL PROPERTIES

EPM / ETHYLENE PROPYLENE  
65-75 DUROMETER, SHORE A

### TEMPERATURE RANGE:

-65°F TO 275°F

### COLOR:

PURPLE PER ARP1527 (PANTONE 519)

### TYPICAL RESISTANCES:

ABRASION  
ACID  
AGING, HEAT - SUNLIGHT  
COLD  
ELONGATION  
FLAME, HORIZONTAL  
OIL RESISTANCE, SKYDROL  
OXIDATION  
OZONE  
TEAR  
WATER  
WEATHER

### PROCESSES:

MOLDING

### APPROVALS:

PHYSICAL PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT
DENSITY - DUROMETER	ASTM D1056, ASTM D2240	65, SHORE A
TENSILE STRENGTH	ASTM D412	3500 PSI
ELONGATION	ASTM D412	1000%
TEAR RESISTANCE	ASTM D624, DIE B	255 LB/IN, DIE B
COMPRESSION SET	ASTM D395, METHOD B MIL-DTL-85052	%
SPECIFIC GRAVITY	ASTM D297	1.29 G/CC
ACCELERATED HEAT AGING	ASTM D2240 MIL-DTL-85052	PASS
OIL RESISTANCE	ASTM D471	PASS
HORIZONTAL BURN TEST	MIL-DTL-85052	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.