

Designed to be a general purpose material, Marco Compound #B1006 is formulated to provide value by balancing cost and performance. Specific physical and chemical resistances vary by compound formulation. Please contact sales@marcorubber.com for assistance in selecting a specialized compound.

ABOUT #B1006

Marco Compound B1006 is the most commonly used general purpose o-ring material because of relative low cost, good mechanical properties, and basic resistance to many common lubricants. Specific physical and chemical resistances vary by compound formulation.

FEATURES

- Relative low cost.
- Soft 50 A durometer
- Good/Excellent resistance to compression set and tear/abrasion.
- Good/Excellent resistance to many petroleum oils/greases, hydraulic fluids, alcohol, ambient water, silicone greases, Di-ester base lubricants and ethylene-glycol based fluids.

APPLICATION EXAMPLES

- Automotive applications
- Pneumatic applications
- Hydraulic Application

ADDITIONAL INFORMATION

- Service Temperature of -30° to 250°F
- Cure System: Sulphur
- Spec: ASTM 2000 M2BG507 A14 B14 E014 E014 E034 F17

This information is accurate and reliable to the best of our knowledge. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use.

PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	50 +/- 5	50
Color	Black	Black
Tensile Strength, psi	1,010 min.	1200
Ultimate Elongation, %	350 min.	600
HEAT RESISTANCE – A14, ASTM D 573 (70 hrs. @ 100°C)		
	ASTM D2000 Requirements	Typical Test Results
Hardness Change, points	+/- 15	4
Tensile Strength Change, %	+/- 30	1
Ultimate Elongation Change, %	-50 max.	-15
COMPRESSION SET – B14, ASTM D 325 Method B (22 hrs. @ 100°C)		
	ASTM D2000 Requirements	Typical Test Results
Permanent Set %	25 max.	9
FLUID RESISTANCE –ASTM #1 Oil – E014, ASTM D 471 (70 hrs. @ 100°C)		
	ASTM D2000 Requirements	Typical Test Results
Hardness Change, points	-5 to +10	+4
Tensile Strength Change, %	-25 max.	+16
Ultimate Elongation Change, %	-45 max.	-9
Volume Change, %	-10 to +5	-2
FLUID RESISTANCE – IRM 903 Oil, -E034, ASTM D 471 (70 hrs. @ 100°C)		
	ASTM D2000 Requirements	Typical Test Results
Hardness Change, points	-10 to +5	-8
Tensile Strength Change, %	-45 max.	-13
Ultimate Elongation Change, %	-45 max.	-18
Volume Change, %	-0 to +25	+8
LOW TEMPERATURE RESISTANCE – F17, ASTM D 2137 Method A, 9.3.2		
	ASTM D2000 Requirements	Typical Test Results
(Non-brittle after 3 min. @ -40°C)	Pass	Pass