

Compound  
**23757**  
ETHYLENE PRORYLENE  
70 DUROMETER - BLACK COLOR  
WAX FILLED

**PRODUCT DATA SHEET**

Compound 23757 is a 70 durometer black colored EPDM elastomer, it is formulated with wax to provide internal lubrication. It exhibits good resistance to heat, compression and water and will remain non brittle at low temperatures.

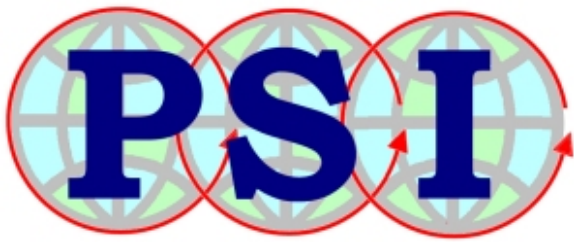
This compound will meet or exceed the specifications listed and has the following physical properties:

- ASTM D2000    2 AA 720 A13 EA14 F17  
                   3 AA 720 B13 EA14 F17 G21  
                   4 AA 720 A13 B13 B33 EA14 F17 G21  
                   5 AA 720 A13 B13 B33 EA14 F17 G21
- 2 BA 720 F17  
                   3 BA 720 A14 B13 F17 F19  
                   4 BA 720 A14 F17  
                   5 BA 720 F17 F19
- 4 CA 720 A25 B35 EA14 F17 F18 F19 G11 G21  
                   5 CA 720 A25 B35 EA14 F17 F18 G11 G21  
                   3 CA 720 A25 B44 B35 EA14F17 F18 G11 G21
- 2 DA 715 A26 EA14 F19 G11 G21  
                   3 DA 715 A26 EA14 F19 G11 G21



**Original Properties**

Modulus @ 100% Elongation	275 psi	1.9 MPa
Tensile Strength	2,174 psi	15.0 MPa
Ultimate Elongation	431 %	
Hardness, Shore A	67 Durometer	
Specific Gravity	1.10 grams/cc	
Brittleness Temperature	< -80 °F	< -62 °C
Tear Resistance, Die B	297.0 ppi	52.0 kN/m
Tear Resistance, Die C	194.0 ppi	34.0 kN/m



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Solid: 22 hrs @ 158°F (70°C)	14.5 %
Solid: 22 hrs @ 212°F (100°C)	12.3 %
Solid: 22 hrs @ 257°F (125°C)	30.8 %
Solid: 70 hrs @ 212°F (100°C)	16.1 %
Plied: 22 hrs @ 158°F (70°C)	20.4 %
Plied: 22 hrs @ 212°F (100°C)	19.0 %
Plied: 22 hrs @ 257°F (125°C)	20.8 %
Plied: 22 hrs @ 302°F (150°C)	29.0 %
Plied: 70 hrs @ 212°F (100°C)	21.1 %

**HEAT AGED: 70 hrs @ 158°F (70°C)**

Change - Tensile Strength	+ 9.2 %
Change - Elongation	+ 5.8 %
Change - Hardness, Shore A	+ 4

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	+ 12.9 %
Change - Elongation	+ 6.7 %
Change - Hardness, Shore A	+ 5

**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	+ 4.4 %
Change - Elongation	- 0.5 %
Change - Hardness, Shore A	+ 5

**HEAT AGED: 70 hrs @ 302°F (150°C)**

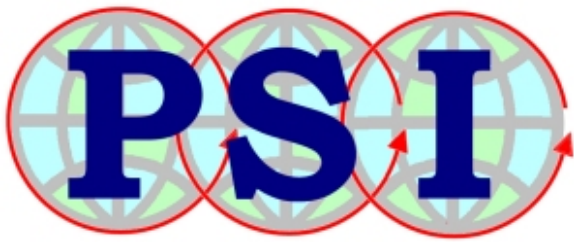
Change - Tensile Strength	+ 2.8 %
Change - Elongation	- 9.3 %
Change - Hardness, Shore A	+ 3

**HEAT AGED: 70 hrs @ 257°F (125°C) Test Tube Method**

Change - Tensile Strength	+ 4.0 %
Change - Elongation	- 0.5 %
Change - Hardness, Shore A	+ 5

**HEAT AGED: 70 hrs @ 302°F (150°C) Test Tube Method**

Change - Tensile Strength	+ 2.8 %
Change - Elongation	- 9.3 %
Change - Hardness, Shore A	+ 3



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**DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)**

Change - Hardness, Shore A  
Change - Volume

+ 1  
- 0.3 %