



Compound

34831**PERFLUOROELASTOMER
80 DUROMETER - BLACK COLOR
HIGH HEAT RESISTANCE****PRODUCT DATA SHEET**

Compound 34831 is an 80 durometer black colored Perfluorelastomer, it is specifically formulated for resistance to heat, up to 572°F(300°C). This compound has good chemical resistance, low to no ion extractables, excellent compression set resistance and excellent plasma resistance.

This compound has the following physical properties:

This Compound is RoHS Compliant**Original Properties**

Modulus @ 100% Elongation	1335 psi	9.2 MPa
Tensile Strength	1,872 psi	12.9 MPa
Ultimate Elongation	150 %	
Hardness, Shore A	79 Durometer	
Specific Gravity	2.00 grams/cc	
Brittleness Temperature	16 °F	-9 °C

Compression Set

O-Ring: 70 hrs @ 446°F (230°C)	19.0 %
O-Ring: 70 hrs @ 446°F (230°C)	26.0 %
O-Ring: 70 hrs @ 572°F (300°C)	38.0 %

HEAT AGED : 70 hrs @ 554°F (290°C)

Change - Tensile Strength	- 7.0 %
Change - Elongation	+ 27.0 %
Change - Hardness, Shore A	- 3