Compound NBR1360 - Technical Data sheet

V-RING, ozone resistant, black

Physical properties	*Units*	*Results*
Hardness type A, ASTM D2240		63
Tensile strength, ASTM D412	Psi Min.	2423
Elongation, ASTM D412	% Min.	584
Tear strength, ASTM D624 (Die C)	Kg-cm	46
Modulus at 100%, ASTM D412	psi	342
Modulus at 200%, ASTM D412	psi	732
Modulus at 300%, ASTM D412	psi	1154
Specific gravity		1.219
A Heat resistance, ASTM D573, 100°C/70h		
Hardness change	Point Max.	+5
Tensile strength change	% Max.	+3
Elongation change	% Max.	-19
Volume change	% Max.	-4.5
Fluid resistance, ASTM D471, 95 Unleaded Gasoline, 23°C/70h		
Hardness change	Point Max.	-19
Tensile strength change	% Max.	-49
Elongation change	% Max.	-30
Volume change	%	+25.1
B Compression Set, ASTM D395, Method B		
100°C/22h	% Max. Button	25
125°C/22h	% Max. Button	32
100°C/70h	% Max. Button	30
EA Water resistance, ASTM D471, 100°C/70h		
Hardness change	Point Max.	-5
Tensile strength change	% Max.	+3
Elongation change	% Max.	-9
Volume change	%	+13.6
EO Fluid resistance, ASTM D471, IRM901 Oil, 100°C/70h		
Hardness change	Point Max.	+12
Tensile strength change	% Max	+3
Elongation change	% Max	-23
Volume change	%	-12.8
EO Fluid resistance, ASTM D471, IRM903 Oil, 100°C/70h		
Hardness change	Point Max.	+2
Tensile strength change	% Max.	+2
Elongation change	% Max.	-20
Volume change	%	-2.5
EF Fluid resistance, ASTM D471, Reference Fuel A, 23°C/70h		
Hardness change	Point Max.	-2
Tensile strength change	% Max	-10
Elongation change	% Max	-7
Volume change	%	+0.8
EF Fluid resistance, ASTM D471, Reference Fuel B, 23°C/70h		
Hardness change	Point Max.	-18
Tensile strength change	% Max	-48
Elongation change	% Max	-29
Volume change	%	+22
EF Fluid resistance, ASTM D471, Reference Fuel C, 23°C/70h		
Hardness change	Point Max.	-23
Tensile strength change	% Max	-61
Elongation change	% Max	-46
Volume change	%	+36.3
C Resistance to ozone, ASTM D1171, 50pphm x 40°C x 72h		20% elongation, PASS

Note :
The specifications given in this data sheet are the result of research carried out with the best possible accuracy and according to the test methods laid down in the standards referred to.
Tests carried out in different laboratories, under different conditions and/or with different prepared samples may give slightly different test results. This data sheet replaces all earlier given technical specifications which herewith, become void.

05.03.2010