



### Compound NK701B - Technical Data sheet Endcap NBR type EC black

**Material :**

Acrylnitril-Butadien compound

**Specification :**

acc. ASTM D2000 M2BG714 A14,B14,EO14,EO34,EF11,EF21,EA14,F17

**Temperature resistance :**

-30°C to +110°C

Physical properties	Units	Requirements	Results
Hardness	degrees Shore A	70+/-5	71
Tensile strength	psi	2031min.	2591
Elongation	%	250min.	425
Tear strength	Kg/cm	50min.	87
Specific gravity	gr/cm <sup>3</sup>	1,29+/-0,02	1,29
<b>Heat Resistance at 100°C/70 h</b>			
Hardness change	degrees	+/-15	+10
Tensile strength change	%	+/-30.	+13
Elongation change	%	-50%max.	-18
Volume change	%	-	-6
<b>Compression set at 100°C/22 h 25%</b>	%	+25max.	+7 (on test slab)
<b>ASTM oil n° 1 at 100°C/70 h</b>			
Hardness change	degrees Shore A	-5:+10	+9
Tensile strength change	%	-25max.	+12
Elongation change	%	-45max.	-15
Volume change	%	-10:+5	-4
<b>ASTM oil IRM 903 at 100°C/70 h</b>			
Hardness change	degrees Shore A	-10:+5	-1
Tensile strength change	%	-45max.	+9
Elongation change	%	-45max.	-12
Volume change	%	0:+25	+3
<b>ASTM Fuel A at 23°C/70 h</b>			
Hardness change	degrees Shore A	+/-10	+2
Tensile strength change	%	-25max.	-2
Elongation change	%	-25max.	-5
Volume change	%	-5:+10	0
<b>ASTM Fuel B at 23°C/70 h</b>			
Hardness change	degrees Shore A	0:+/-30	-8
Tensile strength change	%	-60max.	-21
Elongation change	%	-60max.	-22
Volume change	%	0:+40	+14
<b>Water at 100°C/70 h</b>			
Hardness change	degrees Shore A	+/-10	-3
Tensile strength change	%	-	+5
Elongation change	%	-	-8
Volume change	%	+/-15	+7
<b>Low temperature brittleness</b>			
-40°C for 3 minutes	-	non brittle	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.