Compound Nitrile 08880 - Technical Data sheet

ALPHA SEAL

Material : NB08880
Specification : M2BG814A14B14EA14EF11EF21EO14EO34

Press Cure
- Sheet: 5 min/170°C
- Button: 10 min/170°C

Post Cure
- Sheet: 1 h/140°C
- Button: 1 h/140°C

Physical properties	*Units*	*Requirements*	*Results*
Hardness Shore A	degrees Shore A	80+/-5	84
Tensile strength	psi	2031	2266
Elongation	%	125	139
Tear resistance	Kg-cm		34
Modulus at 100%			1695
Specific Gravity			1,293
A14 Heat resistance at 100°C/70h			
Hardness change	degrees		+5
Tensile strength change	%		-4
Elongation change	%		-19
Volume change	%		-2
B14 Compression set			
100°C/22h	%	25	7
100°C/70h	%		11
125°C/22h	%		3
EA 14 Water Resistance 100°C/70h			
Hardness Change	degrees	+/-10	-4
Tensile Strength Change	%		+3
Elongation Change	%		-4
Volume Change	%	+/-15	+9
EO 14 ASTM Oil nr. 1 100°C/70h			
Hardness Change	degrees	-5~+10	+6
Tensile Strength Change	%	-25	+4
Elongation Change	%	-45	-5
Volume Change	%	-10~+5	-8
EO 34 ASTM Oil IRM903			
Hardness Change	degrees	-10~+5	0
Tensile Strength Change	%	-45	+7
Elongation Change	%	-45	-3
Volume Change	%	0~+25	+2
EF 11 Fuel A Resistance 23°C/70h			
Hardness Change	degrees	+/-10	-1
Tensile Strength Change	%	-25	-10
Elongation Change	%	-25	-9
Volume Change	%	-5~+10	+1
EF 21 Fuel B Resistance **23°C/70h**			
Hardness Change	degrees	0~-30	-14
Tensile Strength Change	%	-60	-28
Elongation Change	%	-60	-27
Volume Change	%	0~+40	+19

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.

01.12.2008