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NBR 70

Compound No.: A1003NK70

Tested to: ASTM D2000 M2BG714 A14 B14 EO14 EO34 EF11 EF21 EA14 F17

Original Properties	Unit	ASTM Method	Spec.	Result
Hardness	Shore A	D2240	70±5	70
Tensile strength	PSI	D412	2031	2226
Elongation	%	D412	250	303
Specific Gravity				1.2781
A 14 Heat resistance, 100°C at 70h		D573		
Hardness Change	Point		***	+3
Tensile strength Change	%		***	-2
Elongation Change	%		***	-22
Volume Change	%		***	***
B14 Compression Set, 100°C at 22h		D395, Method B	25	12
EA 14 Water resistance, , 100°C at 70 h		D471		
Hardness Change	Point		-10~+10	+2
Tensile strength Change	%		***	***
Elongation Change	%		***	***
Volume Change	%		-15~+15	+1
EF11 Fluid resistance, Reference Fuel A, 23°C at 70 h		D471		
Hardness Change	Point		-10~+10	-3
Tensile strength Change	%		-25	-6
Elongation Change	%		-25	-8
Volume Change	%		-5~+10	+3
EF21 Fluid resistance, Reference Fuel B, 23°C at 70 h		D471		
Hardness Change	Point		-30~+0	-18
Tensile strength Change	%		-60	-40
Elongation Change	%		-60	-35
Volume Change	%		0~+40	+24
EO14 Fluid resistance, IRM901 Oil, 100°C at 70 h		D471		
Hardness Change	Point		-5~+10	+5
Tensile strength Change	%		-25	+6
Elongation Change	%		-45	-12
Volume Change	%		-10~+5	-4
EO34 Fluid resistance, IRM903 Oil, 100°C at 70 h		D471		
Hardness Change	Point		-10~+5	-6
Tensile strength Change	%		-45	+3
Elongation Change	%		-45	-10
Volume Change	%		0~+25	+5
F 17 Low-temperature resistance, 3min at -40°C		D2137, Method A	non-brittle	PASS

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.