Material
85 XNBR X853F

Version	Released on
01	20.09.2021

General Data

Colour:	Black
Type of cross-linking:	Metallic oxide

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D297			g/cm³
Hardness ASTM D2240, Shore A	85 ±5	89	Shore
Tensile strength ASTM D412, C	>2031	2901	psi
Elongation at break ASTM D412, C	>125	227	%

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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Tested after ASTM D 2000: M 7 BG 8 14 EF11 EF21 EO34 Z1 Z2

ASTM Property		Nominal Range	Typical Value
Tensile strength	MPa	min. 14	20
Elongation at break	%	min. 125	227
EF11 Fuel A 70.00h/23.00°C			
Volume change	%	-5 to 10	2
Elongation at break	%	-25	-11
Hardness	Shore	±10	-3
Tensile strength	MPa	-25	-11
EF21 Fuel B 70.00h/23.00°C			
Hardness	Shore	0 to -30	-25
Elongation at break	%	-60	7
Volume change	%	0 to 40	32
Tensile strength	MPa	-60	-31
EO34 IRM 903 70.00h/100.00°C			
Hardness	Shore	-10 to 5	-4
Elongation at break	%	-45	-32
Volume change	%	0 to 25	10
Tensile strength	MPa	-45	-17
Z1 , Shore A			
Hardness	Shore		89
Z2			
Elongation at break	%		-35
Tensile strength	%		13
Hardness	Shore		1

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Z2 , Shore A

Elongation at break	%	-35
Tensile strength	%	13
Hardness	Shore	1

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