

CONSTRUCTION INDUSTRY

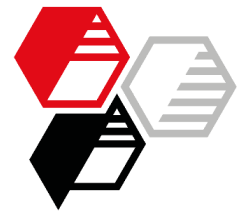
Profile, solid, black

Building profile

70 Shore A, EPDM, sulfur cure / CV cure

Specification AFNOR 85301

Guide formulation of Exxon		891 E 301
Vistalon 7500		100.0
FEF N-550		130.0
SILLIKOLLOID P 87		40.0
Grundöl AP/E Core 600 (ex Flexon 876)		80.0
Kagevest 25 (ex Polyvest 25)		2.0
Stearic acid		1.0
Zinc oxide		5.0
Calcium oxide		10.0
Sulfur		0.5
TMTD		2.0
ZDMC		1.5
ZDEC		1.5
DTDM		2.0
Total phr		375.5
Density	g/cm ³	1.22
Mooney Viscosity		
ML (1+4) 100°C	MU	49
ODR, ± 3°, 180°C		
ML, minimum	dNm	7
MH, maximum	dNm	55
ts ₂	min	1.6
tc ₉₀	min	3.6
Physical properties		
Press cure 5 min @ 180°C		
Hardness	Shore A	72
Modulus 100 %	MPa	4.9
Tensile strength	MPa	11.1
Elongation at break	%	270



891 E 301

				AFNOR
				85301
Compression set				
Press cure 8 min @ 180°C				
22 h @ 100°C, 25 % defl.	ASTM B	%	23	< 25
Tension set				
7 d @ 100°C, 20 % elongation		%	55	< 90
Elastic recovery				
22 h @ -25°C, 25 % deflection		%	37	> 20
Air aging, 14 d @ 100°C				
Δ Hardness		Shore A	+5	± 15
Δ Tensile strength		%	0	± 15
Δ Elongation at break		%, rel.	-26	< 30
Elongation at break		%	200	> 100
Δ Weight		%	-1	< 3

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