

## AUTOMOTIVE INDUSTRY

### Profile, sponge, black

Density 0.30 g/cm<sup>3</sup>, EPDM, sulfur cure / LCM cure

Guide formulations of Exxon	A.2.0.001	A.2.0.002
Vistalon 8510 )*	115.0	115.0
FEF N-550	30.0	30.0
SILLITIN Z 86	60.0	60.0
Grundöl AP/E Core 600 (ex Flexon 876)	70.0	70.0
Zinc oxide	5.0	5.0
Stearic acid	1.0	1.0
PEG 3350	3.0	3.0
Sulfur	1.5	1.5
MBT	1.5	1.5
TMTD	0.8	0.8
DPTT	1.0	1.0
ZDBC	1.5	1.5
TDEC	0.8	0.8
Genitron ACR	2.0	3.0
Celogen OT	1.0	---
Blowing agent BSH	1.0	1.0
Porofor TSH	---	1.0
Calcium oxide 80 %	2.0	2.0
Total phr	297.1	298.1
Density g/cm <sup>3</sup>	1.12	1.12

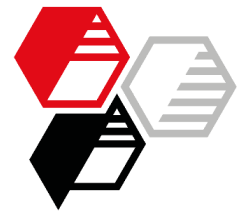
)\* No longer available. Recommended: Vistalon 8800

#### Monsanto Rheometer, ± 5°, 120°C

ML, minimum	dNm	9.5	9.6
MH, maximum	dNm	---	---
ts <sub>2</sub>	min	2.4	2.4
tc <sub>90</sub>	min	---	---

#### Monsanto Rheometer, ± 5°, 180°C

ML, minimum	dNm	8	7.5
MH, maximum	dNm	66	59.5
ts <sub>2</sub>	min	0.45	0.45
tc <sub>90</sub>	min	2.45	2.10



A.2.0.001

A.2.0.002

**Goettfert Elastograph, 130°C**

		A.2.0.001	A.2.0.002
Cure rate	Nm/min	0.18	0.18
Time at max. cure rate	min	1.57	1.42
Pressure at max. cure rate	kN	0.52	0.60
Torque at max. cure rate	Nm	0.15	0.14
Torque minimum	Nm	0.05	0.05

**Goettfert Elastograph, 200°C**

		A.2.0.001	A.2.0.002
Cure rate	Nm/min	1.15	0.95
Time at max. cure rate	min	0.53	0.53
Pressure at max. cure rate	kN	1.56	1.77
Torque at max. cure rate	Nm	0.37	0.31
Torque minimum	Nm	0.05	0.05

**Physical properties**

**LCM cure 1 min @ 240°C, cord profile, 6 mm diameter**

			A.2.0.001	A.2.0.002
Density		g/cm <sup>3</sup>	0.32	0.28
Water absorption	ASTM D 1056	%	0.1	0.1

**Compression set**

		A.2.0.001	A.2.0.002
22 h @ RT, 25 % deflection	%	23	25
22 h @ 40°C, 25 % deflection	%	31	33

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