ExxonMobil

Vistalon™ 8800 EPDM rubber
0.67 density two-pass sponge weatherseal

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Model formulation	Phr[1]
Vistalon™ 8800	115
Spheron™ 5000 carbon black	75
Omya™ BSH $CaCO_3$	30
Flexon™ 815 paraffinic oil	55
Stearic acid	1.5
Zinc oxide	4.0
PEG 3350	1.0
Rhenocure™ ZAT (70%)	1.5
Rhenocure™ TP/G (50%)	1.5
Finalization	
Rhenogran™ CaO-80	2.0
Sulfur	1.5
MBTS (80%)	0.7
MBT (80%)	0.7
DOTG	0.3
ZBEC (70%)	2.5
Celogen™ OT	2.0
Total (phr)	**294.2**

[1] Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	47
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	3.1
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	1.3
MH		dN/m	14.7
ts2		minutes	0.3
t90		minutes	2.5

* Values given are typical and should not be interpreted as a specification.

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Extrusion and continuous vulcanization	Test methods (based on)	Unit	Typical values*
Profile shape			omega die
Extrusion rate		m/min	3
UHF tunnel temperature		°C	250
UHF power/reflection		%/%	33/4
Hot air tunnel temperature		°C	240
Profile temperature			
Extruder outlet		°C	99
UHF outlet		°C	190
Hot air outlet		°C	185

Properties	Test methods (based on)	Unit	Typical values*
Density	ASTM D297	g/cm^3	0.67
Surface roughness	ExxonMobil Test Method TS 05-14		
Ra		µm	3.2
Rt		µm	24.6
Ri		µm	5.7
Compression load deflection force	ExxonMobil Test Method TS 03-20		
40% deflection at 23°C		N/20 cm	121
Compression set	ASTM D395-B		
40% compression, 7 days at 70°C		%	25

* Values given are typical and should not be interpreted as a specification.

Vistalon™ EDPM rubber enables two-pass sponge compounds with very good extrusion characteristics. For detailed product information, please consult the individual grade datasheets available at vistalon.com.

Contact your ExxonMobil Chemical representative for more information:
vistalon.com

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