

Grade slate

As a part of one of the world's largest integrated chemical companies, our Vistalon™ EPDM rubber business requires a focused, long-term approach. We will consistently strive to improve quality, efficiency, and productivity, and are dedicated to empowering our customers to meet society's evolving needs. Our integrated asset base has a global footprint that leverages both metallocene and Ziegler-Natta platforms. Our robust supply chain and platform flexibility provide our customers peace of mind when considering supply security for their manufacturing sites.

Vistalon offers cost effective and high performance solutions for our customers. Compared to natural and general-purpose rubbers, Vistalon delivers superior heat resistant part performance and processing benefits. This makes it an ideal solution for a wide variety of demanding applications in automotive, consumer, and industrial sectors. Other performance attributes of Vistalon include: ozone and UV resistance, water and polar fluid resistance, heat resistance up to 175°C, low temperature flexibility, elastic properties under compression, excellent physical properties at high filler loadings, and outstanding electrical insulation.

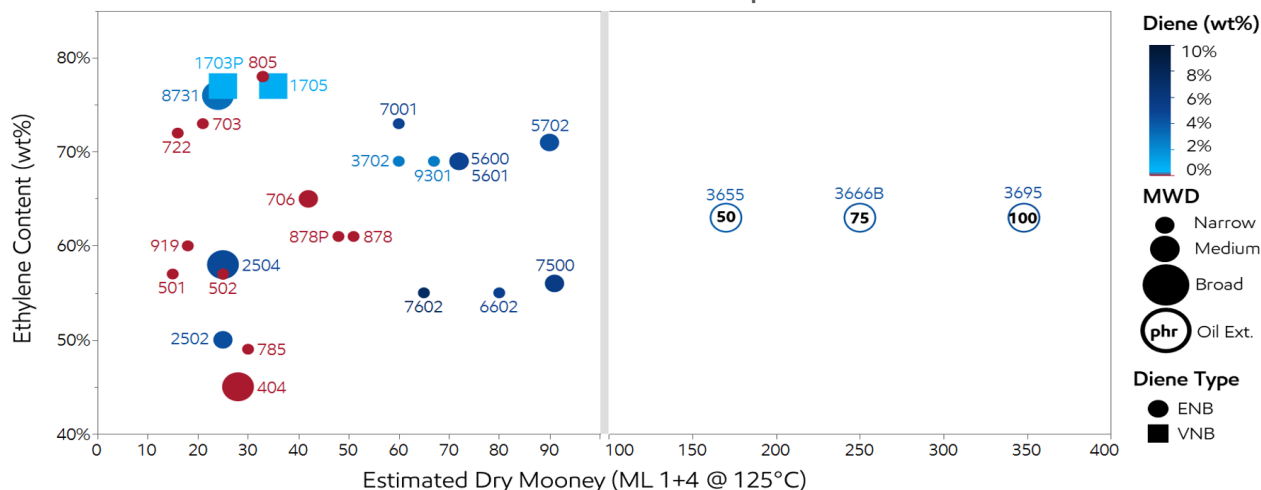
Typical properties

Grade	Oil phr	Mooney viscosity ML (1+4 at 125°C) ASTM D1646	Ethylene weight % ASTM D3900	ENB weight % ASTM D6047	MWD type	Form
EPDM Terpolymers						
1703P	-	25	77	0.9 ¹	Broad	Pellet
1705	-	35	77	0.9 ¹	Broad	Dense bale
2502	-	25	50	4.5	Medium	Fused pellets
2504	-	25	58	4.7	Broad	Dense bale
3655	50	50	63	4.0	Broad	Dense bale
3666B	75	50	63	4.3	Broad	Dense bale
3695	100	50	63	4.5	Broad	Dense bale
3702	-	60	69	2.8	Narrow	Pellet
5600	-	72	69	5.0	Medium	Friable bale
5601	-	72	69	5.0	Narrow	Pellet
5702	-	90	71	5.5	Medium	Pellet
6602	-	80	55	5.2	Narrow	Fused pellets
7001	-	60	73	5.0	Narrow	Pellet
7500	-	82 ²	56	5.7	Bimodal	Semi-dense bale
7602	-	65	55	7.5	Narrow	Fused pellets
8731	-	24	76	3.3	Broad	Dense bale
9301	-	67	69	2.8	Narrow	Pellet
EP Copolymers						
404	-	28	45	-	Broad	Dense bale
501	-	15 ³	57	-	Narrow	Fused pellets
502	-	25 ⁴	57	-	Narrow	Fused pellets
703	-	21	73	-	Narrow	Dense bale
706	-	42	65	-	Medium	Dense bale
722	-	16 ⁵	72	-	Narrow	Pellet
785	-	30	49	-	Narrow	Dense bale
805	-	33	78	-	Narrow	Dense bale
878	-	51	61	-	Narrow	Dense bale
878P	-	48	61	-	Narrow	Pellet
919	-	18	60	-	Narrow	Dense bale

The availability of specific Vistalon™ EPDM rubber grades may vary by region.

1 VNB used as diene
2 ML (1+8) at 125°C
3 Estimated ML. Use Melt Flow Rate Index of 7.2 g/10min, ASTM D1238 (230°C, 2.16kg)
4 Estimated ML. Use Melt Flow Rate Index of 2.4 g/10min, ASTM D1238 (230°C, 2.16kg)
5 Estimated ML. Use Melt Flow Rate Index of 1.0 g/10min, ASTM D1238 (190°C, 2.16kg)

2023 Vistalon™ EPDM rubber portfolio



Vistalon grades features and typical applications

	Applications	Key polymer features	Vistalon™ grades	
Sponge	<ul style="list-style-type: none"> Extruded profiles Molding (low or high pressure) SG from 0.3 to 0.9 	<ul style="list-style-type: none"> Oil loading Melt strength Resilience Collapse resistance Low temperature flexibility 	7602 *New developments	
Dense profiles	<ul style="list-style-type: none"> Auto sealing Building profiles Sulfur or peroxide cure 	<ul style="list-style-type: none"> Class A surface Snappiness Extrusion consistency Filler acceptance 	3655 3666 3695 5600 5601	5702 6602 7001 7602
Hoses, belts and brake parts	<ul style="list-style-type: none"> Hydraulic Air Steam Water 	<ul style="list-style-type: none"> Collapse resistance Green strength Heat aging Compression set 	404 706 3655 3666 3695	3702 5601 5702 6602 7001
Seals, gaskets, and pads	<ul style="list-style-type: none"> Gaskets O-rings Mechanical goods Appliances 	<ul style="list-style-type: none"> Processing and flow Compound viscosity Physical properties Low temperature performance 	404 2502 2504 3655 3666 3695 5600	5601 5702 6602 7001 7500 7602
Roofing and sheeting	<ul style="list-style-type: none"> Flat and low-slope roofs Pond liners Geomembranes 	<ul style="list-style-type: none"> Heat aging UV resistance Filler loading Extreme weather Processing 	3702 5600 5601 7500 9301	
Electricals	<ul style="list-style-type: none"> Insulation Medium voltage Low voltage Jacketing 	<ul style="list-style-type: none"> Resistivity Loss factor Cleanliness Aging resistance Thermal stability 	404 722 878 1703P 1705	2502 2504 3702 7001 8731
Polymer modification	<ul style="list-style-type: none"> Auto interior Auto exterior PP modification Grafting 	<ul style="list-style-type: none"> Low temperature performance PP compatibility Easy mixing 	404 501 502 703	785 805 878 919
Adhesives	<ul style="list-style-type: none"> Pressure sensitive labels Tapes and labels 	<ul style="list-style-type: none"> Flexibility Aging resistance 	404 501	502 919

*Contact your sales representative for more information.

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