

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.

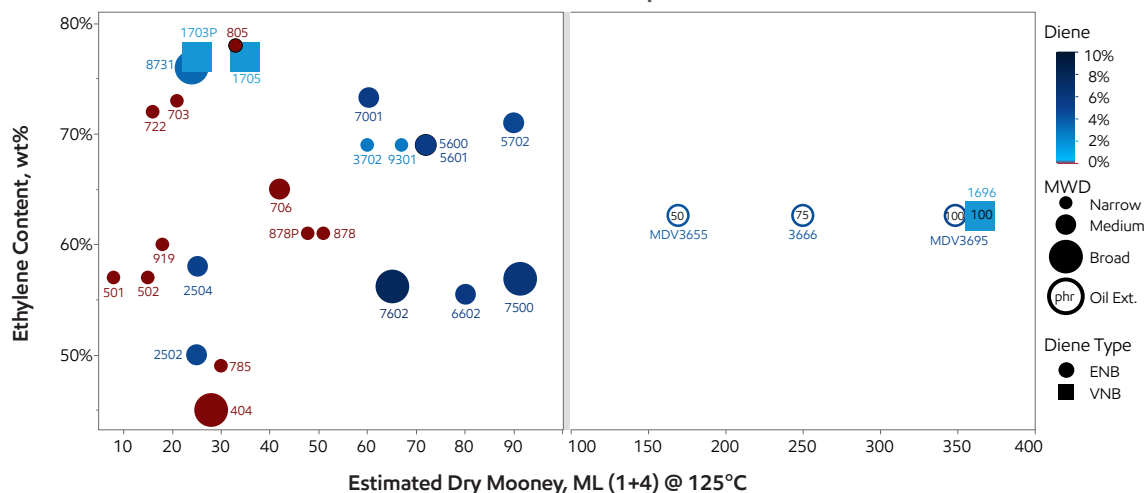
Typical properties

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						
1696	100	52	62	0.7 ¹	Broad	Bale
1703P	-	25	77	0.9 ¹	Broad	Pellet
1705	-	35	77	0.9 ¹	Broad	Semi-friable bale
2502	-	25	50	4.5	Medium	Fused pellets
2504	-	25	58	4.7	Medium	Bale
MDV3655*	50	50	63	4.0	Medium	Bale
3666	75	50	63	4.2	Medium	Bale
MDV3695*	100	50	63	4.5	Medium	Bale
3702	-	60	69	2.8	Narrow	Pellet
5600	-	72	69	5.0	Medium	Friable bale
5601	-	72	69	5.0	Medium	Pellet
5702	-	90	71	5.5	Medium	Pellet
6602	-	80	55	5.2	Medium	Fused pellets
7001	-	60	73	5.0	Medium	Pellet
7500	-	82 ²	56	5.7	Bimodal	Semi-friable bale
7602	-	65	55	7.5	Broad	Fused pellets
8731	-	24	76	3.3	Broad	Friable bale
9301	-	67	69	2.8	Narrow	Pellet
EP Copolymers						
404	-	28	45	-	Broad	Bale
501	-	8 ³	57	-	Narrow	Fused pellets
502	-	15 ⁴	57	-	Narrow	Fused pellets
703	-	21	73	-	Narrow	Bale
706	-	42	65	-	Medium	Bale
722	-	16 ⁵	72	-	Narrow	Pellet
785	-	30	49	-	Narrow	Bale
805	-	33	78	-	Medium	Bale
878	-	51	61	-	Narrow	Bale
878P	-	48	61	-	Narrow	Pellet
919	-	18	60	-	Narrow	Bale

* Grade under development. Contact your local sales representative for more information

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, ASTMD1238 (230°C, 2.16kg)
4 Estimated ML. Use Melt Flow Rate Index of 2.4 g/10min, ASTMD1238 (230°C, 2.16kg)
5 Estimated ML. Use Melt Flow Rate Index of 1.0 g/10min, ASTMD1238 (190°C, 2.16kg)

Vistalon™ EPDM rubber portfolio



Vistalon typical applications and features

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.

	Applications	Key polymer features	Vistalon™ grades		
Sponge	<ul style="list-style-type: none">▪ Extruded profiles▪ Molding (low or high pressure)▪ Specific gravity from 0.3 to 0.9	<ul style="list-style-type: none">▪ Oil loading▪ Melt strength▪ Resilience▪ Collapse resistance▪ Low temperature flexibility	7602 Ongoing product development		
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	1696 MDV3655 3666 MDV3695	5600 5601 5702 6602	7001 7500 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 1696 2502 2504	MDV3655 3666 MDV3695 3702 5601	5702 6602 7001 7500
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 1696 2502 2504 MDV3655	3666 MDV3695 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 878P 1703P	1705 2502 2504 3702 7001	8731
Polymer modification	<ul style="list-style-type: none">▪ TPO/TPE▪ PP modification▪ Grafting▪ Auto interior/exterior	<ul style="list-style-type: none">▪ Low temperature performance▪ PP compatibility▪ Easy mixing	404 501 502	703 785 805	878 878P 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	

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