

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.

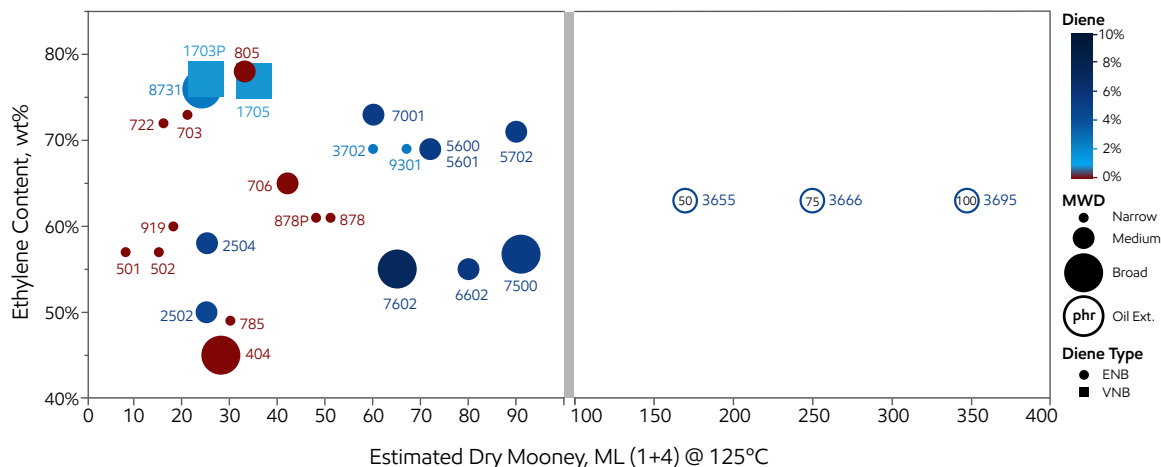
Typical properties

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						
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
3655	50	50	63	4.0	Medium	Bale
3666	75	50	63	4.2	Medium	Bale
3695	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

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)

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	*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	5601	7505
			3666	5702	7602
			3695	6602	
			5600	7001	
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	3666	6602
			706	3695	7001
			2502	3702	7500
			2504	5601	
			3655	5702	
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	3695	7001
			2502	5600	7500
			2504	5601	7602
			3655	5702	
			3666	6602	
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	1705	8731
			722	2502	
			878	2504	
			878P	3702	
			1703P	7001	
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	703	878
			501	785	878P
			502	805	919
Adhesives	<ul style="list-style-type: none"> Pressure sensitive labels Tapes and labels 	<ul style="list-style-type: none"> Flexibility Aging resistance 	404	502	
			501	919	

*Contact your sales representative for more information

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