

Ethylene Propylene Rubber / EPR•EPDM #1

In comparison with diene type rubbers. EP excels in heat resistance, ozone resistance, weather resistance, in particular, since EP does not have any double bonds in the main chain of the polymer molecule.

Since broad range of Ethylene Content and Mooney Viscosity are prepared, you may select the most suitable product for your application either in plastic modification or in rubber application.

In addition, since it excels in steam resistance, low temperature characteristics, and electrical characteristics, as well as enables high loading of fillers, it is applied broadly to tires, tubes, belts, hoses, water-proof sheets, weatherstrips, electrical wires, various automotive parts, etc.

Oil	ENB	Grade	ENB Content [%]	Ethylene Content [%]	Mooney Viscosity ML(1+4) 125°C	Oil [PHR]	Product Form	Characteristic	
Non-Oil Extended	High-ENB	EP 331	11.3	47	23	0	Bale	EP342 with extrusion characteristics and strength	
		EP 342	9	47	31	0	Bale	High-speed vulcanization, excellent compression set, cold resistance, excellent extrusion characteristics, unplasticized compounds possible	
		EP 251	9	53.5	32	0	Bale	EP65 with processability	
		EP 65	9	53.5	48	0	Bale	EP33 with compression set	
		EP 35	8.1	52	55.5	0	Bale	High-speed vulcanization, excellent compression set, cold resistance	
		EP 33	8.1	52	28	0	Bale	EP35 with processability	
		EP T7241	7.7	52	27	0	Bale	EP33 with processability	
			EP 25	5.1	58.5	63	0	Bale	Excellent extrusion characteristics, excellent extrusion characteristics even at high filler loading with white compound
			EP 24	4.5	54	42	0	Bale	Standard medium- ENB grade
			EP 123	4.5	58	19.5	0	Bale	Bimodal grade, excellent processability, excellent adhesive properties, high filler loading, high green strength
			EP 103AF	4.5	59	87	0	Friable	High filler loading, cold resistance
			EP 107F	4.5	62	75	0	Friable	High filler loading, cold resistance
			EP 57F/C	4.5	67	58	0	Friable/ Crumb	High filler loading, high green strength
			EP 27	4	54.5	70	0	Bale	EP24 high-MV version

* 1 Production of this grade is consigned to Kumho Polychem

Ethylene Propylene Rubber / EPR•EPDM #2

Oil	ENB	Grade	ENB Content [%]	Ethylene Content [%]	Mooney Viscosity ML(1+4) 125°C	Oil [PHR]	Product Form	Characteristic
Non-Oil Extended	Low-ENB	EP 93	2.7	55	31	0	Bale	Heat resistance, weather resistance, ozone resistance
Oil Extended	Medium-ENB	EP 96	5.8	66	61	50	Bale	High filler loading
		EP 501EC	5.5	65.5	54	40	Crumb	High filler loading, kneadability
		EP 98	4.5	66	69	75	Bale	High filler loading
	Low-ENB	EP 104E	3.5	52	58	30	Bale	High filler loading, excellent extrusion characteristics, cold resistance

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* 2 ML(1+4)100°C