

## Ethylene-Propylene-Diene-Rubber (EPR, EP(D)M)

EP(D)M elastomers are characterized by excellent aging and weathering resistance, good endurance to both high and low temperature. These properties confer to the vulcanized products outstanding, durable mechanical and elastic properties as well as a good resistance to a large variety of chemicals. Because of their structure, Dutral® K elastomers are typically used in a broad range of applications encompassing automotive whether strips, cables, hoses, polymers and oil viscosity modifiers.

LVE EP(D)M is produced by slurry polymerization process which allows the production of a wide variety of grades. The slurry process does not require solvent nor solvent recovery equipment, improving its sustainability. Monomers are highly soluble in the reaction bulk, therefore high molecular weight polymers can be easily produced with this process; in order to facilitate high molecular weight EP(D)M transformation, a wide range of oil extended grades are made available, using traditional paraffinic oil or heavily purified white oil.

### DUTRAL® EPR Copolymers

GRADE NAME	Mooney Viscosity ML (1+4)@		Polymer composition %wt			Extension Oil Content		Main Applications
	100°C	125°C	ethylene	propylene	ENB	%wt	phr	
DUTRAL K CO 054	44	-	59	41	-	-	-	Automotive, cables, mechanical goods, building, bitumen modification, polymer modification, appliances
DUTRAL K CO 059	-	79	59	41	-	-	-	Polymer modification, mechanical goods, building

## DUTRAL® EP(D)M Terpolymers

GRADE NAME	Mooney Viscosity ML (1+4)@		Polymer composition %wt			Extension Oil Content		Main Applications
	100°C	125°C	ethylene	propylene	ENB	%wt	phr	
DUTRAL K TER 2045	-	33	59.6	38	2.4	-	-	Innertube, automotive, cables, mechanical goods, building,
DUTRAL K TER 4038 EP	-	60	68.6	27	4.4	-	-	Automotive, cables, mechanical goods, building, appliances, polymer modification
DUTRAL K TER 4039	-	77	68.6	27	4.4	-	-	Automotive, cables, mechanical goods, building, appliances, polymer modification
DUTRAL K TER 4044	44	-	61	35	4	-	-	Automotive, cables, mechanical goods, building, appliances
DUTRAL K TER 4049	-	76	55.5	40	4.5	-	-	Automotive, cables, mechanical goods, building, appliances
DUTRAL K TER 4436 WO	-	43	66.5	28	5.5	40(*)	67(*)	Automotive, mechanical goods, appliances, TPV
DUTRAL K TER 4437 WO	-	57	63.5	32	4.5	40(*)	67(*)	Automotive, mechanical goods, appliances, TPV, building
DUTRAL K TER 4548	-	47	59.5	36	4.5	50(*)	100(*)	Automotive, mechanical goods, appliances, TPV, building
DUTRAL K TER 6537	-	43	60	32	8	50	100	Automotive, mechanical goods, appliances, TPV, building
DUTRAL K TER WO65	-	43	60	32	8	50(*)	100(*)	Automotive, mechanical goods, appliances, TPV, building
DUTRAL K TER 7040	-	87	53.5	40	6.5	-	-	Automotive, mechanical goods, appliances, building
DUTRAL K TER 8148 WO	-	68	52.5	39	8.5	17.5(*)	21(*)	Automotive, mechanical goods, appliances, building
DUTRAL K TER 9046	67	-	60.1	31	8.9	-	-	Automotive, mechanical goods, appliances, building

(\*) Heavily purified white oil