

# KEP series

## EPM

Type	Mooney Viscosity (ML1+4, 100°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Volatile Content (Wt.%)	Stabilizer	Specific Gravity	Extender Oil (PHR)	Product Form	Features	Applications
KEP020P	25	-	71	0.05	N.S	0.86	-	P	low mooney viscosity & high MFR & high gloss, excellent low temperature flexibility in the modification of polyolefin thermoplastics (PP, PE)	<ul style="list-style-type: none"> <li>blend with PP : TPO, sponge, films, sheets, automotive applications (bumper, spoiler, instrument panel)</li> <li>blend with PE : films</li> </ul>
KEP070P	69	-	71	0.05	N.S	0.86	-	P	medium mooney viscosity, high impact resistance in the modification of polyolefin thermoplastics (PP, PE)	blend with PP : Injection moldings (bumper etc.), films, sheets and polyolefin modifiers
KEP110	40	-	52	0.7	N.S	0.86	-	B	low mooney viscosity EPM grade & amorphous & good processing & easy mill handling, excellent heat resistance	heat resistant belt, electricals, brake parts, adhesives, binder, oil additives, gasket
KEP2060	65 (i)	-	54	0.4	N.S	0.86	-	B	amorphous & easy processing type grade, modification of polyolefin thermoplastics	TPO, brake parts, adhesives, binder, pipe, gasket, electrical parts

(i) ML1+4, 125°C

(2) Product form : P = Pellet, B = Dense bale

(3) Mooney Viscosity : Massed value

## EPDM (ENB Type) - Low Diene

Type	Mooney Viscosity (ML1+4, 125°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Volatile Content (Wt.%)	Stabilizer	Specific Gravity	Extender Oil (PHR)	Product Form	Features	Applications
KEP435	33	2.3	57	0.4	N.S	0.86	-	B	low mooney viscosity & slow vulcanization speed, excellent heat & ozone resistance, optimum scorch safety in blending with IIR	automobile tire tubes, waterproof sheet, heat resistant belt

(1) Product form : B = Dense bale

(2) Mooney Viscosity : Massed value

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## EPDM(ENB Type) - Medium Diene

Type	Mooney Viscosity (ML1+4,125°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Volatile Content (Wt.%)	Stabilizer	Specific Gravity	Extender Oil (PHR)	Product Form	Features	Applications
KEP210	23	5.7	65	0.4	N.S	0.86	-	B	low mooney viscosity & high vulcanization speed, good processability & high extrusion speed	wires, cables, automobile parts, window seals, sponge
KEP220	28	4.6	57	0.4	N.S	0.86	-	B	low mooney viscosity & medium vulcanization speed & good physical properties	automobile parts, injection molding goods, general sponges etc.
KEP240	42	4.5	57	0.4	N.S	0.86	-	B	medium vulcanization speed & good processability, good balance of vulcanization speed and physical properties	various types of industrial parts, automobile parts and injection molding goods etc.
KEP270	71	4.5	57	0.4	N.S	0.86	-	B	high mooney viscosity & medium vulcanization speed, high filler loading	heat resistant hose, washing machine hose, window seals, various types of automobile parts
KEP2320	25	4.7	58	0.4	N.S	0.86	-	B	excellent roll processability, good processing even without oil, excellent extrusion, fast cure, good electrical property	electrical insulation, brake parts, gaskets, corner molding, molded sponge
KEP281F	82 (1)	5.7	67	0.4	N.S	0.86	-	FB	high mooney viscosity & high vulcanization speed, high filler loading & excellent extrusion property, good collapse resistance	weatherstrip solid, window seals, various types of automobile parts, heat resistant hose
KEP2380	82 (1)	5.7	56	0.4	N.S	0.86	-	SFB	tailored molecular weight distribution grade, good processability, fast extrusion, fast vulcanization, quality consistency, productivity improvement, good processing, medium vulcanization speed	60-70 shore a dense body sealings, radiator hose, molded goods, gaskets, sponge profile
KEP510	23	5.7	71	0.4	N.S	0.86	-	B	good roll processability, excellent extrudability, fast vulcanization speed, high hardness	wires, cables, various types of extruded parts, glass run for high hardness
KEP570F	59	4.5	70	0.6	N.S	0.86	-	FB	high mooney viscosity & high ethylene content, very high green strength & excellent extrudability, medium vulcanization speed & high filler loading	heat resistant hose, washing machine hose, window seals, various types of automobile parts
KEP570P	53	4.5	70	0.05	N.S	0.86	-	P	high impact resistance in the modification of polyolefin thermoplastics(PP,PE)	blend with PP : injection moldings(bumper etc.), films, sheets and polyolefin modifiers, various types of automobile parts
KEP7141	27	4.5	51	0.4	N.S	0.86	-	B	low mooney viscosity & excellent roll processability, excellent low temperature properties, medium vulcanization speed	sponges, wires, cables, electrical parts, gaskets, industrial parts, oil free compound(brake hose)

(1) ML1+8,125°C

(2) Product form : B = Dense bale, FB = Friable bale, P = Pellet, SFB = Semi-friable bale

(3) Mooney viscosity : Massed value

\* These tables are for reference only, exact specifications are available on separate product datasheets.

# KEP series

## EPDM(ENB Type) - High Diene

Type	Mooney Viscosity (ML1+4,125°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Volatile Content (Wt.%)	Stabilizer	Specific Gravity	Extender Oil (PHR)	Product Form	Features	Applications
KEP330	28	7.9	57	0.5	N.S	0.86	-	B	low mooney viscosity & excellent processability, ultra-high vulcanization speed, blend with diene rubber	tire coverstrip, white sidewall, window seals, gaskets, packings, sponges
KEP350	56	7.9	57	0.5	N.S	0.86	-	B	high mooney viscosity & excellent processability, ultra-high vulcanization speed, blend with diene rubber	
KEP370F	69	8.1	59	0.6	N.S	0.86	-	FB	high mooney viscosity & excellent processability, very high ENB content & ultra fast vulcanization speed, suitable for blending with diene rubbers	weather strip body/door seal, gasket, packings, general sponges etc.
KEP650	49	8.7	59	0.4	N.S	0.86	-	B	medium mooney viscosity & excellent processability, ultra high vulcanization speed	sponges, window seals, industrial parts
KEP650L	41	8.7	59	0.4	N.S	0.86	-	B	medium mooney viscosity & excellent processability, ultra high vulcanization speed	
KEP2480	81 (1)	8.9	58	0.4	N.S	0.86	-	SFB	tailored molecular weight distribution grade, good processability, fast extrusion, fast vulcanization, quality consistency, productivity improvement, good processing, medium vulcanization speed	sponge body sealings, window seals

(1) ML1+8,125°C

(2) Product form : B = Dense bale, FB = Friable bale, SFB = Semi-friable bale

(3) Mooney viscosity : Massed value

# KEP series

## EPDM(ENB Type - Oil Extended)

Type	Mooney Viscosity (ML1+8,125°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Volatile Content (Wt.%)	Stabilizer	Specific Gravity	Extender Oil (PHR)	Product Form	Features	Applications
KEP1030EF	57	4.5 (1)	62 (1)	0.5	N.S	0.87	15	B	high mooney viscosity & medium vulcanization speed, high filler loading	radiator hose, heat resistant hose, washing machine hose, window seals, various types of automobile parts
KEP2733	36 (2)	5.0 (1)	69 (1)	0.4	N.S	0.86	30	B	high mooney viscosity & semi-crystalline, good balance of property and cost(loadability), good processing, medium vulcanization speed	CMB, molded goods, solid profiles, hoses, calendered goods
KEP960(F)	49	5.7 (1)	70 (1)	0.4	N.S	0.87	50	B, FB	high mooney viscosity & high ethylene content, high filler loading & good physical properties	radiator hose, window seals, extruded goods in general, automobile parts, moldings, washing machine gasket
KEP980	58	4.5 (1)	71 (1)	0.4	N.S	0.87	75	B	high mooney viscosity & high ethylene content, high filler loading & good physical properties	window seals, moldings in general, shock absorbing rubber(muffler hanger/engine mount), washing machine gasket, TPV
KEP901	50	4.8 (1)	70 (1)	0.4	N.S	0.87	100	B	high mooney viscosity & 100PHR oil extended, suitable for low hardness compound	window seals, moldings in general, low hardness compounds, damping parts, TPV

(1) Value of base polymer

(2) ML1+4,125°C

(3) Product form ; B = Dense bale, FB = Friable bale

(4) Mooney viscosity : Massed value

## MAH-grafted-EP(D)M

Type	Melt Index (2.16kg / 230°C)	Volatile Content (Wt.%)	Yellowness Index	Product Form	Specific Gravity	Feature	Applications
KEPA 1130	3	0.12 Max.	20 Max.	P	0.87	Ethylene-propylene copolymers/polypropylene blend grafted with maleic anhydride. As polymer modifiers, KEPA 1130 can function as coupling agent, compatibilizers and impact modifier in the polar polymer. * Impact modification : polyamides, polyesters etc. * Compatibilizer : polyamide/polyethylene, polyamide/polypropylene etc. * Coupling agent : polyethylene/CaCO <sub>3</sub> , polypropylene/glass etc.	ski surf bindings, automotive wheelcap, oil separator, helmet etc.
KEPA 1150	2 Max.	0.12 Max.	20 Max.	P	0.88	Polyolefin elastomer grafted with maleic anhydride. As polymer modifiers, KEPA 1150 can function as coupling agent, compatibilizers and impact modifier in the polar polymer * Impact modification : polyamides, polyesters etc. * Compatibilizer : polyamide/polyethylene, polyamide/polypropylene etc. * Coupling agent : polyethylene/CaCO <sub>3</sub> , polypropylene/glass etc.	ski surf bindings, automotive wheelcap, oil separator, helmet etc.

(1) Product form : P = Pellet

\* These tables are for reference only, Exact specification are available on separate product datasheets.