

# KEP® series

## EPDM (ENB Type) - Oil Extended

Type	Mooney Viscosity (ML+8,125°C) [2]	ENB Content (Wt.%) [1]	Ethylene Content (Wt.%) [1]	Extender Oil (PHR) [1]	Product Form [3]	Features	Applications
KEP960N(F)	49	5.7	70	50	B, FB	Non-aromatic paraffinic oil, 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
KEP980N	58	4.5	71	75	B	Non-aromatic paraffinic oil, 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
KEP4640E	47	4.5	64	75	B	Non-aromatic paraffinic oil, high mooney viscosity & medium ethylene content, high filler loading, balanced low temperature flexibility, good physical properties	
KEP901	50	4.8	70	100	B	High mooney viscosity & 100phr paraffinic oil extended, suitable for low hardness compound & TPV parts	Molding in general, low hardness compounds, damping parts, TPV
KEP901N	50	4.8	70	100	B	High mooney viscosity & 100phr Non-aromatic paraffinic oil extended, suitable for low hardness compound & TPV parts	
KEP902N	52	4.5	66.5	100	B	High mooney viscosity & 100phr Non-aromatic paraffinic oil extended, suitable for low hardness compound & TPV parts	Molding in general, low hardness compounds, damping parts, TPV

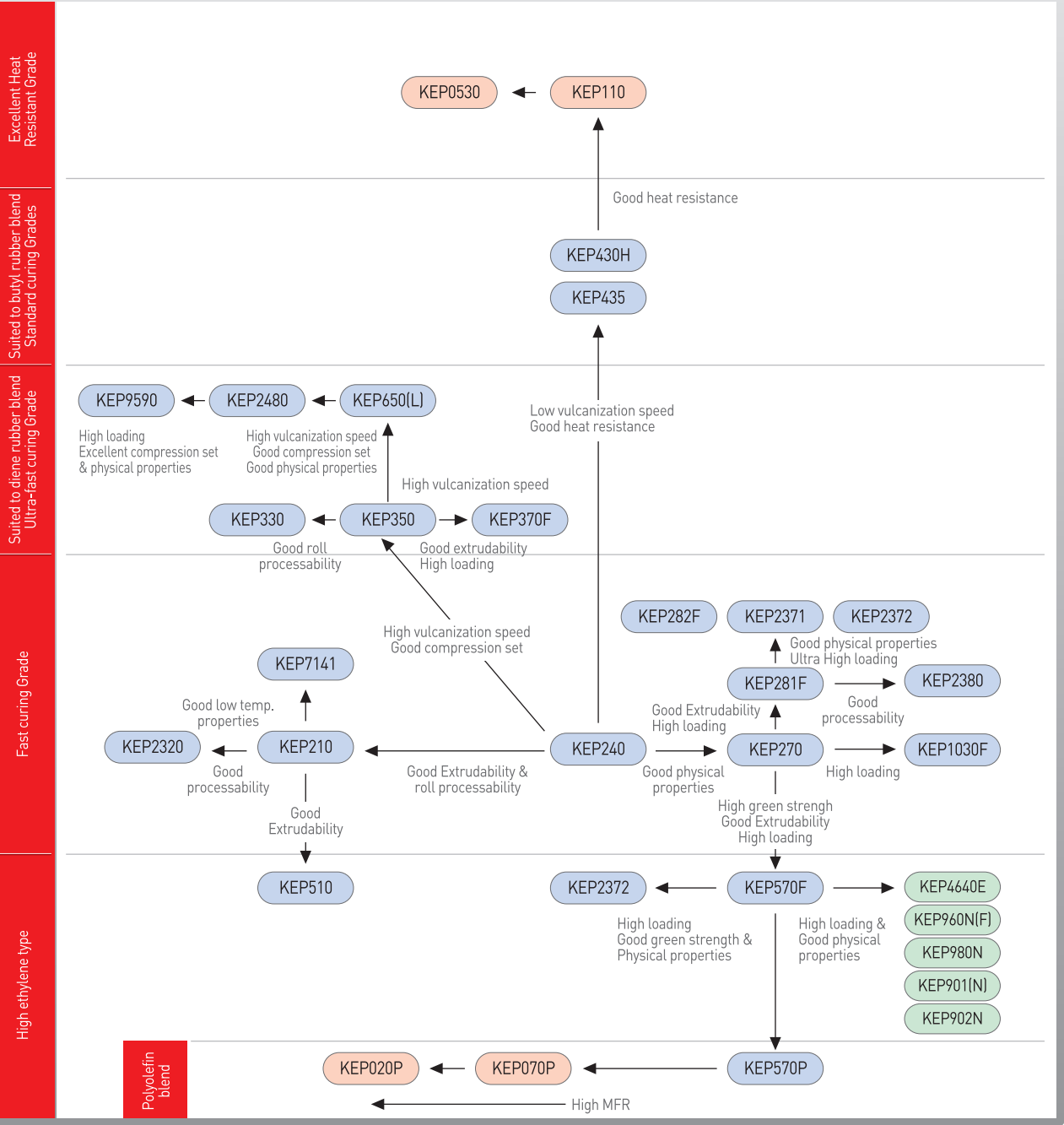
[1] Value of base polymer  
[2] Mooney Viscosity : Massed Value  
[3] Product Form : B = Dense Bale, FB = Friable Bale

## MAH-grafted-EP(D)M

Type	Melt Index (2,16kg / 230°C)	Yellowness	Product Form	Features	Applications
KEPA1130	3	14	P	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/CaCO3, polypropylene/glass etc.	Ski surf bindings, Automotive wheelcap, Oil separator, Helmet etc.
KEPA1150	2	11	P	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/CaCO3, 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.

# Grade Selection Map



○ EPM    ○ EPDM    ○ Oil Extended

# KEP® series

KUMHO POLYCHEM



beyond  
the best



KEP<sup>®</sup> series

KEP series\_ NO.1

EPM

Type	Mooney Viscosity (ML1+4,100°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Extender Oil (PHR)	Product Form (1)	Features	Applications
KEP020P	25	-	71	-	P	Low mooney viscosity & high MFR & high gloss, excellent low temperature flexibility in the modification of polyolefin thermoplastics(PP, PE)	・ Blend with PP : TP0, sponge, films, sheets, automotive applications (bumper, spoiler, instrument panel) ・ Blend with PE : films
KEP070P	69	-	71	-	P	Medium mooney viscosity, high impact resistance in the modification of polyolefine thermoplastics(PP, PE)	Blend with PP : Injection moldings(bumper etc.), films, sheets and polyolefin modifiers
KEP110	40	-	52	-	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
KEP0530	30	-	50	-	B	Low mooney viscosity EPM grade & amorphous, Excellent shear stability and thickening power	Oil viscosity modifier

[1] Product Form : P = Pellet, B = Dense Bale

EPDM (ENB Type) - Low Diene

Type	Mooney Viscosity (ML1+4,125°C)	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Extender Oil (PHR)	Product Form (1)	Features	Applications
KEP435	33	2.3	57	-	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
KEP430H	43	1.6	57	-	B		

[1] Product Form : B = Dense Bale

KEP<sup>®</sup> series

KEP series\_ NO.2

EPDM (ENB Type) - Medium Diene

Type	Mooney Viscosity (ML1+4,125°C) [2]	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Extender Oil (PHR)	Product Form (3)	Features	Applications
KEP210	23	5.7	65	-	B	Low mooney viscosity & high vulcanization speed, good processability & high extrusion speed	Wires, cables, automobile parts, window seals, sponge
KEP510	23	5.7	71	-	B	Good roll processability, excellent extrudability, fast vulcanization speed, high hardness	Wires, cables, various types of extruded parts, glass run for high hardness
KEP2320	25	4.7	58	-	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
KEP7141	27	4.5	51	-	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)
KEP240	42	4.5	57	-	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.
KEP570P	53	4.5	70	-	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
KEP570F	59	4.5	70	-	FB	High mooney viscosity & high ethylene content, high green strength & excellent extrudability, medium vulcanization speed & high filler loading	Automobile & Industrial hose, washing machine hose, window seals, various types of automobile parts
KEP5770	73	5.0	74	-	FB	High mooney viscosity & high ethylene content, Excellent green strength & excellent extrudability, medium vulcanization speed & high filler loading	Automobile & Industrial hose, washing machine hose, window seals, various types of automobile parts
KEP270	71	4.5	57	-	B	High mooney viscosity & medium vulcanization speed, high filler loading	Heat resistant hose, washing machine hose, window seals, various types of automobile parts
KEP2380	82 (1)	5.7	56	-	SFB	Tailored molecular weight distribution grade, good processability, fast extrusion, fast vulcanization speed, quality consistency, productivity improvement	60-70 shore a dense body sealings, radiator hose, molded goods, gaskets, sponge profile
KEP281F	82 (1)	5.7	67	-	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
KEP282F	90 (1)	5.7	73	-	FB	High mooney viscosity & High ethylene content, high vulcanization speed, high filler loading & excellent extrusion property, good collapse resistance	Weatherstrip solid, window seals, various types of automobile parts, heat resistant hose
KEP1030F	86 (1)	4.5	62	-	FB	High mooney Viscosity, high filler loading & good dimensional stability, balanced low temperature flexibility, good physical properties	Weatherstrip solid & extruded profiles, radiator hose, heat resistance hose
KEP2371	115 (1)	7.0	70	-	B	High mooney Viscosity, high vulcanization speed, high filler loading & excellent extrusion properties, good collapse resistance	Weatherstrip solid, window seals, various types of automobile parts, heat resistance hose
KEP2372	115 (1)	6.5	72	-	B	High mooney viscosity, high vulcanization speed, high filler loading & excellent extrusion properties, good collapse resistance	Weatherstrip solid, window seals, various types of automobile parts, heat resistance hose

[1] ML1+8, 125°C  
[2] Mooney Viscosity : Massed Value  
[3] Product Form : B = Dense Bale, FB = Friable Bale, P = Pellet, SFB = Semi-Friable Bale

KEP<sup>®</sup> series

KEP series\_ NO.3

EPDM (ENB Type) - High Diene

Type	Mooney Viscosity (ML1+4,125°C) [2]	ENB Content (Wt.%)	Ethylene Content (Wt.%)	Extender Oil (PHR)	Product Form (3)	Features	Applications
KEP330	28	7.9	57	-	B	Low mooney viscosity & excellent processability, high vulcanization speed, blend with diene rubber	Tire coverstrip, white sidewall, window seals, gaskets, packings, sponges
KEP650L	41	8.7	59	-	B	Medium mooney viscosity & excellent processability, high vulcanization speed	Sponges, window seals, industrial parts
KEP650	49	8.7	59	-	B	Medium mooney viscosity & excellent processability, high vulcanization speed	Sponges, window seals, industrial parts
KEP350	56	7.9	57	-	B	High mooney viscosity & excellent processability, high vulcanization speed, blend with diene rubber	Tire coverstrip, white sidewall, window seals, gaskets, packings, sponges
KEP370F	69	8.1	59	-	FB	High mooney viscosity & excellent processability very high ENB content & high vulcanization speed, suitable for blending with diene Rubbers	Weather strip body/door seal, gasket, packings, general sponges etc.
KEP2480	81 (1)	8.9	58	-	SFB	Tailored molecular weight distribution grade, good processability, fast extrusion, fast vulcanization speed, quality consistency, productivity improvement, good compression set	Sponge body sealings, window seals
KEP9590	95 (1)	10.0	52	-	SFB	High mooney viscosity & low ethylene content, good processability, fast extrusion, ultra-high vulcanization speed, quality consistency, productivity improvement, excellent sponge compression set & softness	Sponge body sealings, window seals

[1] ML1+8, 125°C  
[2] Mooney Viscosity : Massed Value  
[3] Product Form : B = Dense Bale, FB = Friable Bale, SFB = Semi-Friable Bale