EKOPREN ®

PRODUCT LIST

MIXER COMPOUNDS

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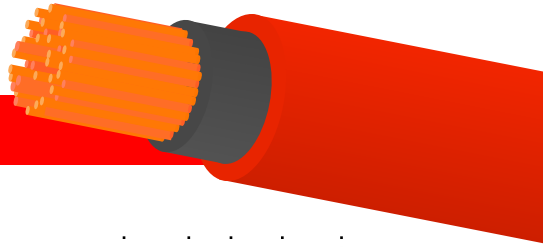
RUBBER SHEATHING COMPOUNDS



	BASE POLYMER	APPLICATION	TEMPERATURE RANGE	COLOR	TS (MPa)	EB (%)	DENSITY	HARDNESS (SHORE)	LOI	HF	FR	OR	LOW PAH
EKOPREN® 3SH061	EPDM	GM1b	-40°C/+90°C	□	7,0	280	1,47	73 (A)	23%	✓			✓
EKOPREN® 3SH101	CPE	EM7 - KY - 5GM3	-40°C/+90°C	■	15,2	510	1,38	75 (A)	29%		+	++	
EKOPREN® 3SH391	NBR/PVC	EM2	-35°C/+60°C	■	11,3	410	1,46	78 (A)	31%		++	+	✓
EKOPREN® 3SH461	CPE	5GM5	-50°C/+90°C	□	18,5	520	1,36	73 (A)	27%				✓
EKOPREN® 3SH471	CPE	EM2 - 5GM3 - EM7	-40°C/+90°C	□	14,0	500	1,4	70 (A)	29%		++	++	✓
EKOPREN® 3SH511	CPE	KY - Kz - 5GM3 - EM7 - UL 50.28 to 50.31, 50.33	-50°C/+110°C	■	16,2	500	1,36	72 (A)	30%		+++	+++	
EKOPREN® 3SH611	EPDM	EM3 - EM6	-50°C/+90°C	■	8,0	300	1,37	78 (A)	22%	✓			✓
EKOPREN® 3SH631	EPDM/EVA	EM3 - EM8	-50°C/+90°C	□	10,3	310	1,43	82 (A)	29%	✓	+	+	
EKOPREN® 3SH821	EVA	SHF2 - M2 - EM8 - EM104	-40°C/+90°C	□	13,0	170	1,56	45 (D)	32%	✓	++	+	✓
EKOPREN® 3SH831	EVM	SHF2 - SW4	-40°C/+90°C	□	12,0	180	1,52	75 (A)	32%	✓	++	++	✓
EKOPREN® 3SH941	CPE	EM2 - EM5 - EM7	-40°C/+90°C	■	12,5	480	1,42	68 (A)	24%		+	++	

HF Halogen Free; **FR** Flame retardant; **OR** Oil Resistant **PAH** Polycyclic aromatic hydrocarbons

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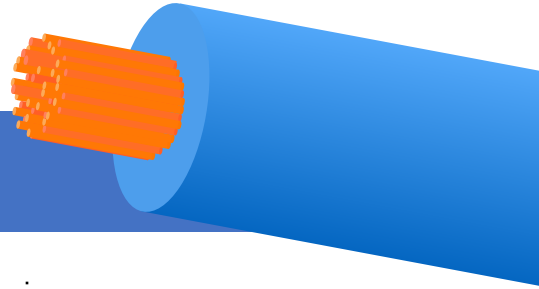
LOW VOLTAGE RUBBER INSULATION COMPOUNDS



	BASE POLYMER	APPLICATION	TEMP.RANGE	TS (MPa)	EB%	DENSITY	HARDNESS (SHORE)	LOI	HF	FR	OR	NOTE
EKOPREN® 3IS021	EPDM	EI4-EI7	-50°C/+90°C	7,0	260	1,47	72 (A)	23%	✓			Low compression set
EKOPREN® 3IS061	EPDM	EI4-EI7	-40°C/+90°C	7,0	270	1,49	72 (A)	23%	✓			Standard
EKOPREN® 3IS101	EPDM	G7	-40°C/+90°C	10,0	300	1,32	79 (A)	22%	✓			DCP Peroxide
EKOPREN® 3IS471	CPE	UL62 Class 18	-40°C/+105°C	8,5	400	1,49	65 (A)	23%	S	+	++	Oil Resitant Cable
EKOPREN® 3IS601	EPDM	EI4-EI7	-40°C/+90°C	6,5	350	1,47	78 (A)	23%	✓			DCP Peroxide
EKOPREN® 3IS621	EPDM	EI7-EI6	-50°C/+90°C	8,5	330	1,40	70 (A)	22%	✓			Low Temp Flexibility
EKOPREN® 3IS641	EPDM	3GI3	-40°C/+90°C	7,0	280	1,44	70 (A)	22%	✓			Up to 3KV
EKOPREN® 3IS651	EPDM	G7	-40°C/+90°C	10,7	300	1,29	77 (A)	22%	✓			
EKOPREN® 3IS661	EPDM	G7 FR	-25°C/+105°C	9,8	300	1,39	85 (A)	25%	✓	+		
EKOPREN® 3IS671	EPDM	EI4-EI7 FR	-40°C/+90°C	7,0	300	1,44	75 (A)	25%	✓	+		Flash Resistant for Ironing
EKOPREN® 3IS761	EPDM	G10	-25°C/+90°C	7,5	280	1,44	80 (A)	26%	✓	+		
EKOPREN® 3IS771	EVA	EI104	-40°C/+90°C	12,0	180	1,55	43 (D)	32%	✓	+++	++	Railway Ins & Jacket
EKOPREN® 3IS781	EPDM	EI5-EI8	-40°C/+90°C	10,5	240	1,43	82 (A)	27%	✓	++	+	
EKOPREN® 3IS801	EVA	EI109	-40°C/+90°C	12,0	180	1,56	45 (D)	32%	✓	+++	+++	Higher Oil Resistant
EKOPREN® 3IS811	HEPR	G21	-40°C/+125°C	14,0	330	1,19	90 (A)	22%	✓			Photovoltaic High Temp Resistant
EKOPREN® 3IS921	EVA	G9	-40°C/+105°C	16,0	180	1,53	44 (D)	32%	✓	++	+	Railway
EKOPREN® 3IS971	EVA	EI3	-40°C/+110°C	9,0	280	1,52	38 (D)	31%	✓	++	+	Ovens - Electric Appliance
EKOPREN® 3IS981	EVA	G21-M21	-40°C/+125°C	15,0	230	1,41	45 (D)	27%	✓	+	+	Solar Cable

HF Halogen Free; FR Flame retardant; OR Oil Resistant Color: Natural (all)

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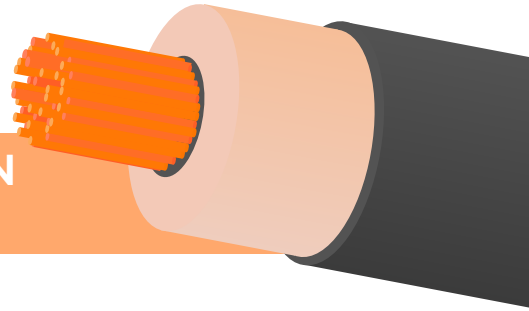
MEDIUM VOLTAGE RUBBER INSULATION COMPOUNDS



	BASE POLYMER	MAX KV	COLOR	APPLICATION	TEMP. RANGE	TS (MPa)	EB %	DENSITY	HARDNESS (SHORE)	NOTE
EKOPREN® 3IS011	EPR	35	■	Multicore IEC 60502-2	-50°C/+105°C	8,4	500	1,10	62 (A)	Mining Multicore Flexible Cables
EKOPREN® 3IS691	EPDM	67	■	Single Core G7	-25°C/+105°C	12,0	400	1,23	80 (A)	3748 Type
EKOPREN® 3IS711	EPDM	35	■	Single Core G7	-25°C/+105°C	11,0	400	1,18	72 (A)	Flexible
EKOPREN® 3IS721	EPDM	95	■	Single Core G7	-25°C/+90°C	12,5	320	1,18	82 (A)	3728 Type
EKOPREN® 3IS731	PE-EPDM	35	■	Single Core G7	-25°C/+105°C	15,0	400	1,22	83 (A)	Basic material
EKOPREN® 3IS741	PE-EPDM	67	■	Single Core G7	-25°C/+105°C	16,0	400	1,20	85 (A)	
EKOPREN® 3IS751	PE-EPDM	35	□	Single Core G7	-25°C/+105°C	14,0	350	1,19	88 (A)	Lead Free
EKOPREN® 3IS791	PE-EPDM	67	□	Single Core G7	-25°C/+105°C	14,0	350	1,20	88 (A)	Lead Free

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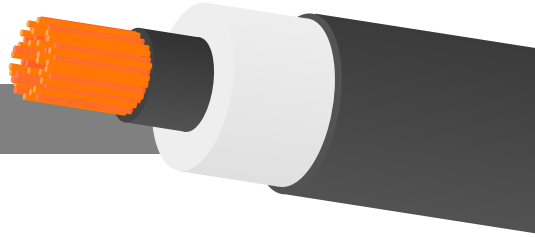
RUBBER BEDDING COMPOUNDS



	CABLE MATERIALS							
	CU PVC PVC	CU XLPE PVC	CU XLPE HFFR	DENSITY	HARDNESS (SHORE)	LOI	DRUMMABLE	PROPERTIES
EKOPREN® 3RP071	✓			1,95	85 (A)	Not FR		NYM cable
EKOPREN® 3RP081	✓			1,97	77 (A)	Not FR		High extrusion speed
EKOPREN® 3RP301			✓	1,90	81 (A)	Not FR	✓	Basic not FR material
EKOPREN® 3RP321			✓	1,80	73 (A)	38%	✓	
EKOPREN® 3RP361 BS 6724			✓	1,78	80 (A)	53%	✓	
EKOPREN® 3RP371 BS 6724			✓	1,78	85 (A)	68%	✓	Higher FR properties
EKOPREN® 3RP381 BS 6724			✓	1,68	47 (D)	52%	✓	Higher mechanical properties
EKOPREN® 3RP481			✓	1,85	86 (A)	78%		For most sever fire test
EKOPREN® 3RP491		✓		1,98	80 (A)	Not FR		
EKOPREN® 3RP501		✓		1,94	85 (A)	28%		FR
EKOPREN® 3RP931			✓	1,81	45 (D)	47%		High FR properties, smooth extrusion

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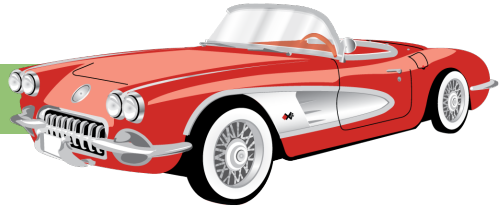
AUTOMOTIVE COMPOUNDS



	CURE	BASE POLYMER	TEMP. RANGE	TS (lbf/in^2)	EB%	DENSITY	HARDNESS (SHORE)	APPLICATION
EKOPREN® 3IR901	e-Beam	EPDM	-40°C/+90°C	1600	210	1,43	83 (A)	Flexible - For battery cables. Requires low compression screw for processing. ISO 6722 T3
EKOPREN® 3IR951	e-Beam	EVA	-40°C/+125°C	2200	200	1,42	45 (D)	High speed extrusion rate with minimal die droll. ISO 6722 T3
EKOPREN® 3IR981	e-Beam	EVA	-40°C/+125°C	2000	230	1,41	45 (D)	SAE J1128
EKOPREN® 3IS901	CV Line (VulCup)	EPDM	-40°C/+125°C	1600	210	1,43	83 (A)	Flexible - For battery cables. Requires low compression screw for processing. ISO 6722 T3
EKOPREN® 3IS931	CV Line (VulCup)	EVA	-40°C/+125°C	2300	230	1,40	50 (D)	Cost-effective solution with DCP peroxide. Processable on conventional screw design. ISO 6722 T3
EKOPREN® 3IS951	CV Line (VulCup)	EVA	-40°C/+125°C	2200	200	1,42	45 (D)	High speed extrusion rate with minimal die droll. ISO 6722 T3
EKOPREN® 3IS981	CV Line (DiCup)	EVA	-40°C/+125°C	2000	230	1,41	48 (D)	Cost-effective solution with DCP peroxide. Processable on conventional screw designs. SAE J1128

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