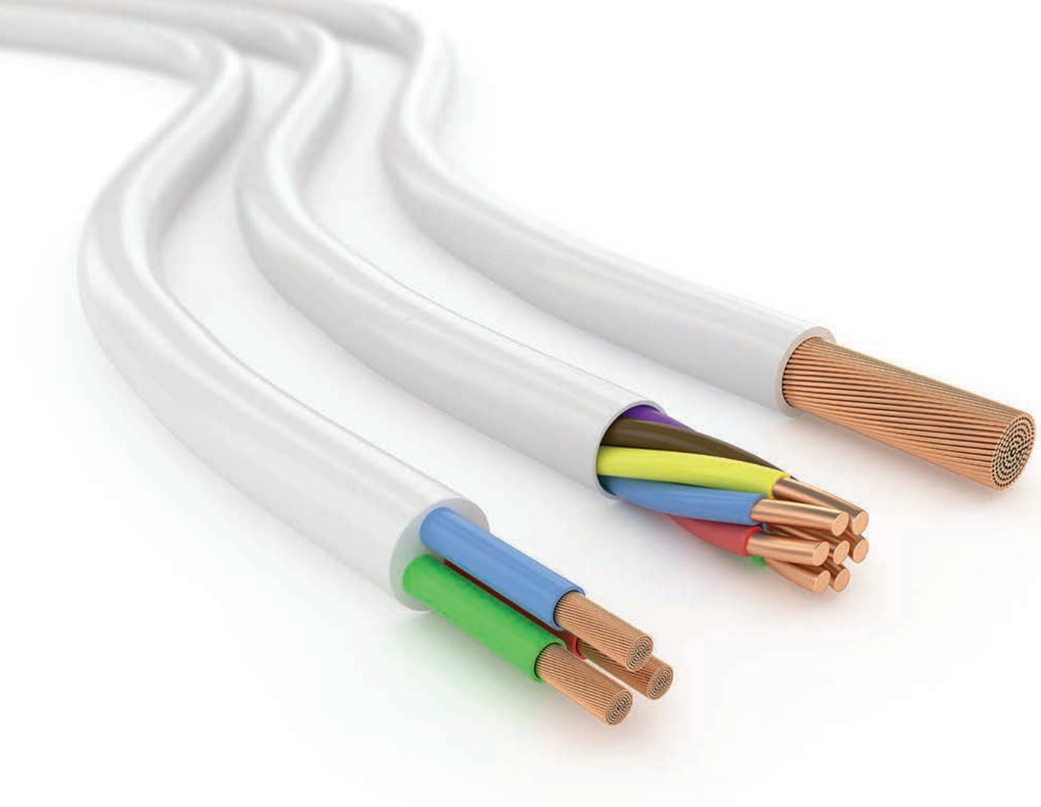


+1 844 SACO AEI

sales@sacoaei.com

sacoaei.com

SACO AEI POLYMERS

Polymer Solutions Delivering Exceptional Technical Performance

WIRE & CABLE

WHO WE ARE

SACO AEI

We are a customer-driven compounder offering premium value and innovative polymer solutions for customers in North America, Latin America, Europe, Asia and MENA. Our technology-driven company focuses on optimizing quality, driving efficiency, and adding ultimate value to our customer's products. We synergistically deliver real value to our customers by developing and manufacturing a full range of Thermoplastic & Thermoset Compounds, Additives and Catalyst Masterbatches for the Wire & Cable, Building & Construction, Pipe & Tubing and Specialty Markets.

SACO AEI Polymers' expertise and commitment to custom formulating for unique applications delivers world-class product solutions, commercially available off-the-shelf. Technology-infused compounds have allowed us to build industry-recognized brands like our **PEXIDAN®** and **THERMODAN®**. Our expertise extends to Non-Halogenated Fire Retardants for the development of compounds that meet or exceed the performance requirements of global regulatory industry standards.

Sheboygan **Wisconsin** | Aurora **Ohio** | Ramos Arizpe **Mexico** | Sandwich **England** | Vapi **India**

WHAT WE DO

WIRE & CABLE

sāco AEI polymers

Solutions For Wire & Cable

PEXIDAN® | Moisture Cure XLPE

PEXIDAN® HF | Halogen-Free Flame Retardant Moisture Cure XLPE

PEXIDAN® Automotive | CV-Curable and Irradiation-Curable XLPO

THERMODAN® HF | Thermoplastic Halogen-Free Flame Retardant Jacket Compounds

THERMODAN® CP | Thermoplastic CPE Jacket Compounds

EXTINITY® | FR Masterbatches Halogen & Non-Halogen

TOLL COMPOUNDING | PE, EVA, PA, EPM, CPE, XLPE, PP, EPDM, TPE, PVC

Our Distribution Partners

JAVAchem 佳華精化

Process Aids and Functional Additives

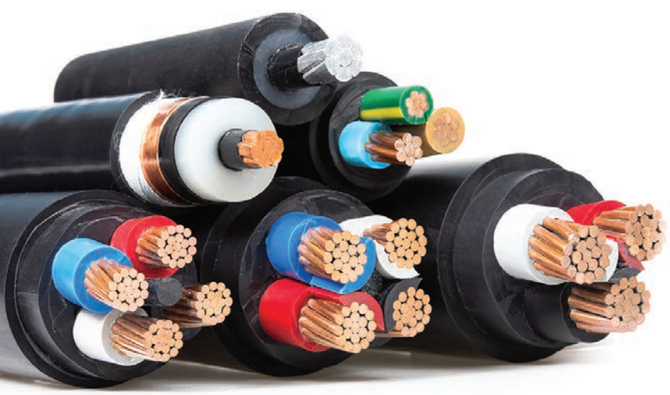
SULI® 苏利

FR Powders & Concentrates

PEXIDAN®

Moisture-Cure Polyolefins for Wire & Cable

System	System Components	Flame Resistance		Temperature Rating		End-Use Applications		Options
		FR Type	FR Ratings	Dry	Wet	Standards	Wire Types	
PEXIDAN® X/T	A-3001 + CAT-005FR	Halogen FR	FT2	90°C	90°C	UL44, UL854, CSA C22.2 #38	XHHW-2, RHW-2, USE-2, RHH, SIS, RW90, RWU90	-40°C
PEXIDAN® X/T-UV	A-3001 + CAT-005FRUV1	Halogen FR	FT2	90°C	90°C	UL44, UL854, UL4703, CSA C22.2 #38	XHHW-2, RHW-2, USE-2, RHH, SIS, PV, RW90, RWU90	SUNRES (1) -40°C
PEXIDAN® X/T-UV2	A-3001 + CAT-047FR-UV2	Halogen FR	FT2	90°C	90°C	UL44, UL854, UL4703, CSA C22.2 #38, #271	XHHW-2, RHW-2, USE-2, RHH, SIS, PV, RW90, RWU90, RPV90, RPVU90	SUNRES -40°C
PEXIDAN® V/T-2	A-3001 + CAT-045FR	Halogen FR	VW-1 CT-Use / FT4 on 1/0 and larger	90°C (2)	90°C	UL44, CSA C22.2 #38, #239	XHHW-2, RHW-2, USE-2, RHH, SIS, RW90, RWU90, CIC inners	-40°C
PEXIDAN® V/T-2UV	A-3001 + CAT-083FR-UV	Halogen FR	VW-1, CT-Use / FT4 on 1/0 and larger	90°C (2)	90°C	UL44, UL4703, CSA C22.2 #38, #239	XHHW-2, RHW-2, USE-2, RHH, SIS, PV, RW90, RWU90, CIC inners	SUNRES -40°C
PEXIDAN® HF V/T	SX-0653 + CM540U	Halogen Free (HFFR)	VW1, FT4 on 250mcm and larger	90°C	90°C	UL44	XHHW-2, RHW-2, RHH, SIS	SUNRES -40°C
PEXIDAN® HF V/T-2	SX-0655 + CM540U	Halogen Free (HFFR)	VW1, FT4 on 14 AWG and larger	90°C	90°C	UL44	XHHW-2, RHW-2, RHH, SIS	SUNRES -40°C
PEXIDAN® U/T	A-3001 + CAT-008	Non-FR	None	90°C	90°C	UL854	USE-2, secondary URD	-40°C
PEXIDAN® R/T	A-3001 + CAT-009	Non-FR	CSA Dropping Particles	90°C	90°C	CSA C22.2 #38	RW90, RWU90, AC90, Teck90	-40°C
PEXIDAN® R/T-UV2	A-3001 + CAT-288UV	Non-FR	CSA Dropping Particles	90°C	90°C	CSA C22.2 #38, #271	RW90, RWU90, AC90, Teck90, RPV90, RPVU90	SUNRES -40°C
PEXIDAN® H/T	A-3001 + CAT-012FR	Halogen FR	FT2	150°C	-	UL758, CSA C22.2 #127, #210	UL styles 3173, 3321 and CSA CL1251, CL1252 and CL1503	
PEXIDAN® J/T	A-3001 + CAT-012FR	Halogen FR	SAE J1128 45-degree	125°C	-	SAE J1128, ISO 19642	Designed for use as automotive primary insulation	



THERMODAN® HF

Thermoplastic LSZH Jacket Grades

Compound	Flame Resistance			Specific Gravity	Melt Flow Rate (150°C/21.6kg except as noted)	Temperature Rating[2]	End-Use Applications	
	FR Type	LOI	FR Performance[1]				Attributes	Constructions
0103-212NT (natural)	Halogen Free	38	UL/CSA FT4	1.50	4.5	90°C	Low smoke, good processibility, SUNRES	UL 1277 & UL 13 Tray Cable jackets
0103-212BK (black)	Halogen Free	38	UL/CSA FT4	1.51	4.0	90°C	Low smoke, good processibility, SUNRES	UL1277 & UL13 Tray Cable jackets
TP343NT (natural)	Halogen Free	38	CPR B2ca/Cca	1.64	4.8 (18 @190°C /21.6kg)	90°C	Low smoke, high FR performance, good processibility, SUNRES	Fiber Optic jackets up to 24 Fiber Carriers
TP0852N (natural)	Halogen Free	39	CPR B2ca/Cca	1.53	7.0	90°C	High stiffness, Low smoke, high FR performance, good processability, low shrink	Fiber Optic buffer tubes 800+ Mpa
TP-0812 (natural)	Halogen Free	40	UL1666, UL/CSA FT4 B2ca/Cca	1.49	6.0	75°C	Low smoke, high FR performance, good processability, low shrink 1.50% or less typical	Telecom, Data and Fiber Optic jackets or buffer tubes
TP543C2 (natural)	Halogen Free	42	IEC 60332-1-2 CPR B2ca/Cca	1.55	7.0	90°C	Low smoke, high FR performance, good processibility, excellent crack resistance, SUNRES	Fiber Optic/Tray Cable with superior crack resistance in hot arid outdoor climates

(1) **Actual CPR Validation performance is construction dependant.** (2) **Based on 7-day thermal aging per UL2556 method**

THERMODAN® CP

Thermoplastic CPE Jacket Grades

Compound	Market	Description	Flame & Smoke Characteristics	Applications
0110-108NT 0110-108BK	LV Power Cable	Chlorinated Polyethylene (CPE) base jacket compound / Superior FR and UV resistance / Oil Res I and II / Designed for use with PEXIDAN® Primary insulation	UL 1685 / CSA FT4 IEEE 1202 Capable	UL 1277 Tray Cable

sāco AEI polymers

COMPOUND SOLUTIONS FOR THE GLOBAL PHOTOVOLTAIC CABLE MARKET

USA & MEXICO
UL 4703 Photovoltaic Wire

PEXIDAN® X/T-UV | Standard

PEXIDAN® X/T-UV2 | Enhanced UV

PEXIDAN® V/T-2UV | VW-1 Flame

CANADA
CSA C22.2-271-11
Photovoltaic Cable

PEXIDAN® R/T-UV2 | Standard

PEXIDAN® X/T-UV2 | FT1 Flame

PEXIDAN® V/T-2UV | VW-1 Flame

EUROPE
BS EN 50618 Cables
for Photovoltaic Systems

PEXIDAN® SX650 | Insulation & Sheath

PEXIDAN® SX612S | Insulation & Sheath

AUTOMOTIVE WIRE & CABLE SOLUTIONS

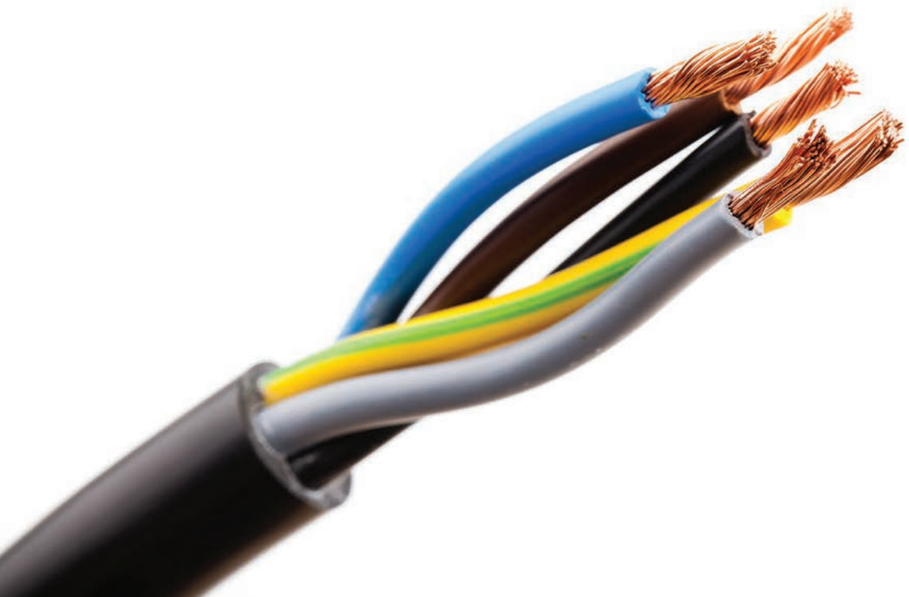
PRIMARY WIRE | BATTERY CABLE | APPLIANCE WIRE | MOISTURE CURE | CV | IRRADIATION

Product	Temperature Rating °C	Density	Hardness (Shore)	Application	Peroxide Cured	E-beam Cured	Lead Wire	Battery Cables	AWM/ CL
PEXIDAN® HF CV1253	-40 to 125 °C	1.40	46 (D)	SAE J1128 ISO 6722/19642	X		X	X	X
PEXIDAN® HF IX1253	-40 to 125 °C	1.40	46 (D)	SAE J1128 ISO 6722/19642		X	X	X	
PEXIDAN® HF TP1253	-40 to 125 °C	1.40	44 (D)	Striping Compound					
PEXIDAN® HF CV1257	-40 to 125 °C	1.40	51 (D)	Fast-Cure version of PEXIDAN® HF CV1253	X		X	X	

EXTINITY®

Flame Retardant Masterbatches

Resin Type	Filler Type		
	ATO	DBDPE	ATO & DBDPE
PE-LLDPE	-	-	0201-123 0201-132
PE-LDPE	0201-213 0201-303	-	0201-125 0201-127 0201-171
PP	0202-301	0202-103 0202-201	0202-102
EVA	0202-303	-	-
PS	-	0218-108	-
EPDM	0211-301	-	-



CUSTOM SOLUTIONS TOLL COMPOUNDING

SACO AEI Polymers offers exceptional toll compounding capabilities for thermoplastic and thermoset compounds, concentrates and masterbatches. Whether you have your own formula or would like to utilize our expertise, we partner with you and protect your intellectual property from start to finish. We are committed to surpass our customers' expectations for value, service, technical assistance, and quality.

COMPOUNDING EQUIPMENT

Twin Screw Extruders
Farrell Continuous Mixers
Single Screw Extruders
Co-Kneaders

CAPABILITIES

High Filler Content
Reactive Extrusion
Downstream Feeding
Composite Sheet Extrusion
Post Absorption
Liquid Injection

ADDITIVES

Flame Retardants: Halogenated & LSZH
FR Synergists
UV Stabilizers
Heat Stabilizers
Antioxidants
Crosslink Promoters
Colorants
Impact Modifiers
Process Aids
Silanes
Plasticizers
Compatibilizers
Reinforcing Fillers

MATERIALS PORTFOLIO

Polyethylene: HDPE, LDPE, LLDPE, XLPE | Polypropylene
Polyamides | Polystyrene | EVA | MAPE | TPE/TPO | CPE | PVC

The Javachem GT family of products are UHMW siloxane polymers with special functional groups which provide the balance of internal and external lubrication. They significantly improve processing fluidity, effectively reduce die drool and impart cable materials with abrasion resistance. They promote the dispersion of inorganic flame retardants, improve the compactness of cable materials, enhance the flame-retardant performances and processing convenience.

Product Name	Effective Component	Carrier	Application Dosage (%w/w)	Content (%)	Physical Form
Javachem® GT-300	Siloxane Polymer	LLDPE	0.5 – 3	55	Pellet
Javachem® GT-150P	Siloxane Polymer	LLDPE	0.5 – 3	50	Pellet
Javachem® GT-600	Siloxane Polymer	LLDPE	0.5 – 5	60	Pellet
Javachem® GT-805	Siloxane Polymer	PA6	0.5 – 5	50	Pellet

Suli offers a series of FR Powders and Masterbatches suitable for various applications and compounds within the Wire & Cable space. Their products offer very good thermal stability and electrical performance. Their technologies can be used in a wide variety of resins including PE, PVC and various rubbers. In addition to brominated solutions they also offer halogen-free solutions.

Product Name	Form	FR Type	Resin Types			
			PVC	PE	PA6, PA66	Rubber
Phlamoon® 102	Powder	DBDPE	X	X	X	X
Phlamoon® 106	Powder	Tricumol Phosphate	X			X

SACO AEI PRODUCT

LINECARD

CROSSLINKABLE COMPOUNDS

PEXIDAN®
Moisture Cureable LD XLPE
Moisture Cureable HD XLPE
Moisture Cureable EPDM/EPR
Continous Vulcanization Cureable XLPE
Irradiation Cureable XLPE

PEXIDAN® HF LSZH Moisture Cureable XLPE

THERMOPLASTIC COMPOUNDS

THERMODAN® HF Low Smoke Zero Halogen Polyolefin
THERMODAN® CP CPE

CUSTOM COMPOUNDING

PE | EVA | PA | EPM | SEBS | CPE |
XLPE | PP | EPDM | PS | TPE | PVC

ADDITIVES

LINXIDAN® Coupling Agents (MAH-g-Polyolefins)
ARMIDAN® Impact Modifiers (MAH-g-POE)
EXTINITY® FR Masterbatches (Halogenated & Non-Halogenated)

SULI® FR Powders & Concentrates
JAVACHEM® Specialty Surface Modifiers & Process Aids
FINE-BLEND® Specialty Functional Additives

SUBSTRATES

XR SHEET® Polypropylene and Wood Flour
XR TUF® Improved Toughness Polypropylene and Wood Flour
GF STOCK® Polypropylene and Glass Fiber
CORESTOCK® Core Enhancement