

Cover Compounds

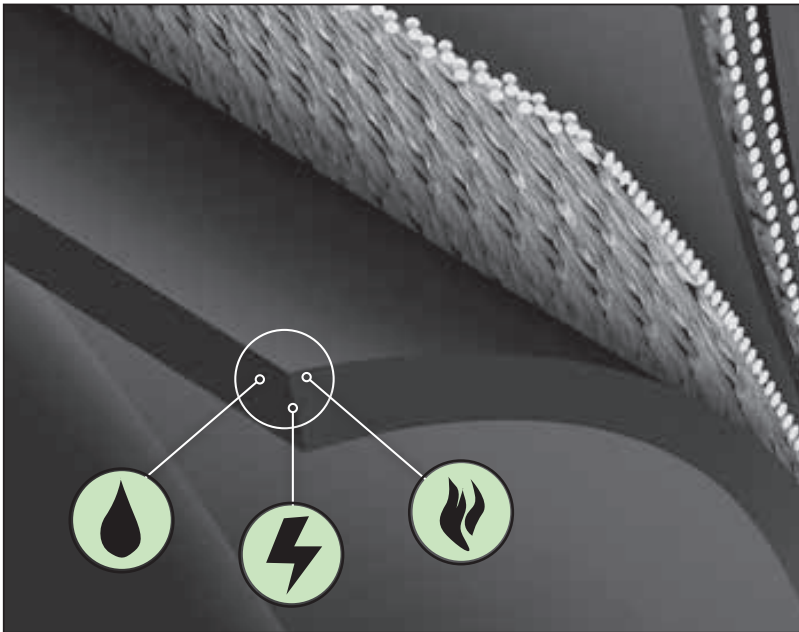


Cover Compounds

Protecting your investment with Continental cover compounds.

Continental cover compounds provide the ultimate protection for your belt carcass so that you realize a lower cost-per-ton conveyed and your system requires less maintenance. Our innovative, thermoset-formulated compounds provide protection and performance in even the toughest applications. Utilizing our compounding expertise, we offer a wide variety of cover compounds to meet your specific application requirement.

Our manufacturing process is vertically integrated and unique to the conveyor belt industry. Backed by extensive research and testing facilities, we have cover compounds to meet your rigorous requirements. We own mixing facilities that provide raw materials used in making our cover compounds, giving us more control over the quality of the product every step of the way.



Cover Compounds and Applications

Compounds	Applications													
	Underground Mining Non-Coal	Coal - Prep Plants	Aggregate	Cement	Wood - Pulp & Paper	Steel or Foundry	Package Handling	Hard Rock Mining	Grain Handling	Bulk Handling Terminal	Power Generation	Baggage Handling	Sand & Gravel	Overland Transportation
Survivor® Plus			■	■		■		■		■				■
Survivor®			■	■		■		■		■	■			■
Stacker®			■	■		■		■		■				■
Defender® Plus		■	■	■	■	■	■	■		■	■	■	■	■
Protector			■			■	■				■	■		
Grade II			■				■				■	■		
FR-2G	■	■								■	■			■
FRAR-2G	■	■				■				■	■			■
FRORS-2G	■	■				■				■	■			■
FRAR-CSA C		■				■				■	■			■
FR-CSA C		■				■				■	■			■
HT Nitrile (Solar-Shield® OR)				■	■					■				
MonsterHide™			■					■						
MonsterHide™ MORS					■									
MOR					■					■				■
MORS					■					■				■
Solar-Shield® XL 750				■		■								
Alumina - HOT						■								
6740A (Solar-Shield® 300)				■		■								■
Easyrider™														■
Pathfinder® Supreme								■	■					■

Standard Compounds

Alumina – HOT: Specifically designed compound intended for usage at alumina facilities where alumina material temperatures range up to 400°F.

Defender® Plus: An ARPM Grade I rubber compound designed to provide excellent abrasion resistance, very good gouge resistance and excellent flex life.

Easyrider™: A low rolling resistance family of compounds for the pulley cover side only which is designed to reduce the energy cost by minimizing indentation energy loss to idlers. Proven with over 600 miles of belt in operation, the LRR Easyrider™ compound can provide up to 20% reduction in energy consumption compared to standard compounds and the SLRR Easyrider™ compound can provide up to 32% reduction in energy consumption.

FR-2G: Designed especially for aboveground prep plants, power plants and non-coal underground mining applications and meets ASTM D378-13.2 (old MSHA CFR 30 part 18) flame test standard. For applications requiring moderate heat resistance up to 250°F FRHT-2G is available.

FRAR-2G: Designed for non-coal underground mining and surface applications that meet ASTM D378-13.2 (old MSHA CFR 30 part 18) flame test standard and offers approximately 70% more abrasion resistance than FR-2G.

FRORS-2G: Moderate resistance to oil and static conductive, this compound is designed for oily coal or coke material. FRORS-2G meets ASTM D378-13.2 (old MSHA CFR 30 part 18) flame test standard.

FRAR-CSA C & FR-CSA C: Fire-retardant anti-static belting is certified by the Canadian Department of Energy, Mines and Resources, Ottawa to CAN/CSA M422M87, Type C, for below surface use as well as other mining operations. FRAR-CSA C offers approximately 40% better abrasion resistance than FR-CSA C compound.

GRADE II: An ARPM Grade II rubber compound designed to provide good abrasion and gouge resistance and very good flex life.

GLOBAL X®: Meets ARPM Grade I and DIN X standards. Offers superior cut and gouge resistance and very good abrasion resistance.

LTORS and LTORS Plus: Excellent mineral oil and abrasion resistance combined with improved low temperature properties.

MonsterHide™ & MonsterHide™ MORS: An ARPM Grade II compound providing the ultimate in cut and gouge protection. Designed to absorb impacts from large rock with sharp edges, MonsterHide™ MORS resists the effect of cover cuts and chunking associated with localized heavy impact and is MOR-resistant to cover swell associated with terpene oil.

MOR & MORS: Compounded to resist the terpene content of wood chips and moderately oily grains. It has fair abrasion resistance and is a good value for handling moderately oily material where fire resistance is not required.

Pathfinder® Supreme, Pathfinder® Arctic & Pathfinder® CSA: Designed especially for the grain industry where oily grains and controlled mineral or vegetable oil dust suppressive sprays come in contact with the belt.

Protector: A Grade II compound for applications requiring good abrasion and gouge resistance and very good flex life.

6740A (Solar-Shield® 300): Compounded for excellent heat and abrasion resistance in temperature ranges of 350°F (177°C) for lumpy material and up to 250°F (121°C) for hot baking loads.

HT-Nitrile (Solar-Shield® OR): An oil-resistant compound formulated for applications demanding higher resistance to heat, oil and abrasion. It is resistant to temperatures up to 300°F (149°C), oxidation and the effect of corrosive atmospheres.

Solar-Shield® XL 750: An exceptional hot material compound with superior heat resistance against hardening and cracking. It is designed to carry hot loads at intermittent temperatures up to 750°F (399°C) and retain its superior heat-resistant qualities.

Stacker®: Premium ARPM Grade I Rubber Compound, designed for excellent resistance to cutting, gouging and abrasion.

Survivor®: Superior abrasion resistance. Ideal for high-speed, small diameter crushed stone, trap rock, ore, copper, taconite and other abrasive applications.

Survivor® Plus: The ultimate in abrasion resistance, offering up to 40% more abrasion resistance than Survivor®. Ideal for high-speed, abrasive material applications.

Cover Compounds

Compound	International Standards	Abrasion Resistance	Low Temp.	High Temp. (Lumpy Material)	Cut & Gouge Resistance	Oil Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness	Tensile (psi)	Elongation (%)	DIN Abrasion (mm ³)
Abrasion Compounds												
Survivor* Plus	ARPM Grade I, DIN Z, AS Grade A, N & E	Ultimate	-55°F (-48°C)	150°F (66°C)	Good	No	No	Yes	60	2850	585	25
Survivor*	ARPM Grade I, DIN Z, AS Grade A, N & E	Superior	-55°F (-48°C)	150°F (66°C)	Very Good	No	No	Yes	59	2850	585	40
Stacker*	ARPM Grade I, DIN W & Z, AS Grade N & E	Excellent	-55°F (-48°C)	150°F (66°C)	Excellent	No	No	Yes	60	2950	570	70
Defender* Plus	ARPM Grade I, DIN Z, AS Grade E & N	Excellent	-40°F (-40°C)	212°F (100°C)	Very Good	No	No	Yes	60	2800	560	90
Protector	ARPM Grade II, AS Grade E	Good	-30°F (-34°C)	150°F (66°C)	Good	No	No	Yes	60	2300	510	145
Grade II	ARPM Grade II	Good	-30°F (-34°C)	150°F (66°C)	Fair	No	No	Yes	62	2000	400	175
Abrasion & Flame Resistance												
FRAR-2G	ARPM Grade II, AS Grade E	Excellent	-40°F (-40°C)	150°F (66°C)	Good	No	ASTM D378-13.2	Yes	58	2550	540	85
FR-2G	ARPM Grade II, AS Grade E	Good	-40°F (-40°C)	212°F (100°C)	Good	No	ASTM D378-13.2	Yes	57	2500	540	140
FRAR-CSA C	ARPM Grade I, AS Grade E, CSA-C, DIN	Good	-40°F (-40°C)	160°F (71°C)	Fair	No	CSA-C	Yes	60	2550	540	85
FR-CSA C	AS Grade E, CSA-C	Fair	-40°F (-40°C)	160°F (71°C)	Fair	No	CSA-C	Yes	60	2000	400	260
FRHT-2G	ARPM Grade II, DIN Z, AS Grade E	Good	-40°F (-40°C)	250°F (120°C)	Good	No	ASTM D378, D378-13.2	Yes	60	2500	500	175
FRUG-2G	DIN Z, AS Grade E	Good	-40°F (-40°C)	150°F (66°C)	Good	No	ASTM D378, D378-13.2	Yes	60	1900	490	230
Abrasion & Oil Resistance												
HT-Nitrile (Solar-Shield* OR)	ARPM Grade II, DIN Z, AS Grade N	Good	-15°F (-26°C)	300°F (149°C)	Fair	Superior	No	No	61	2800	610	145
LTORS	ARPM Grade II	Excellent	-40°F (-40°C)	120°F (49°C)	Good	Very Good	No	Yes	60	2350	450	90
NEW LTORS Plus	ARPM Grade II	Excellent	-67°F (-55°C)	120°F (50°C)	Excellent	Excellent	No	Yes	60	2200	500	80

Compound	International Standards	Abrasion Resistance	Low Temp.	HighTemp. (Lumpy Material)	Cut & Gouge Resistance	Oil Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness	Tensile (psi)	Elongation (%)	DIN Abrasion (mm ²)
Cut & Gouge Compounds												
MonsterHide™	ARPM Grade II, DIN Z, AS Grade E	Very Good	-40°F (-40°C)	150°F (66°C)	Ultimate	No	No	Yes	72	2650	680	140
Global X*	ARPM Grade I, DIN X, Y & Z, AS Grade M, N & E	Very Good	-55°F (-48°C)	150°F (66°C)	Superior	No	No	Yes	61	4000	500	115
Stacker*	ARPM Grade I, AS Grade N & E	Excellent	-55°F (-48°C)	150°F (66°C)	Excellent	No	No	Yes	60	2950	570	70
Defender* Plus	ARPM Grade I, DIN Z, AS Grade E	Excellent	-40°F (-40°C)	212°F (100°C)	Very Good	No	No	Yes	60	2800	560	90
Heat Compounds												
Solar-Shield® XL750	ARPM Grade II, AS Grade E	Good	-40°F (-40°C)	750°F (399°C)	Fair	No	No	Yes	73	2300	680	130
400F	ARPM Grade II	Very Good	40°F (-40°C)	400°F (204°C)	Fair	No	No	Yes	60	2100	510	130
Alumina-HOT	ARPM Grade II, AS Grade E	Good	-40°F (-40°C)	400°F (204°C)	Fair	No	No	Yes	73	2300	640	155
6740A (Solar-Shield® 300)	ARPM Grade I, DIN Z, AS Grade N & E	Very Good	-40°F (-40°C)	350°F (177°C)	Very Good	No	No	Yes	57	2900	550	110
Defender* Plus	ARPM Grade I, AS Grade N & E	Excellent	-40°F (-40°C)	212°F (100°C)	Very Good	No	No	Yes	60	2800	560	90
Oil Compounds												
HT-Nitrile (Solar-Shield® OR)	ARPM Grade II, AS Grade N	Good	-15°F (-25°C)	300°F (150°C)	Fair	Superior	No	No	61	2800	610	145
NEW MonsterHide™ MORS	ARPM Grade II	Good	-40°F (-40°C)	150°F (70°C)	Ultimate	Good	No	Yes	70	2200	700	150
Pathfinder® Supreme		Fair	-30°F (-34°C)	150°F (70°C)	Fair	Very Good	ASTM D378-13.2	Yes	60	1800	580	330
Pathfinder® Arctic		Fair	-40°F (-40°C)	150°F (70°C)	Fair	Very Good	ASTM D378-13.2	Yes	60	1800	450	330
Pathfinder® CSA	FR-CSA-C	Fair	-40°F (-40°C)	150°F (70°C)	Fair	Very Good	CAN CSA C M422	Yes	65	2000	550	250
MORS		Fair	-20°F (-30°C)	150°F (70°C)	Good	Good	No	Yes	62	1700	330	200
NEW MOR		Fair	-15°F (-25°C)	150°F (70°C)	Good	Good	No	Yes	65	1355	320	215
LTORS	ARPM Grade II	Excellent	-40°F (-40°C)	120°F (50°C)	Good	Very Good	No	Yes	60	2350	450	90
LTORS Plus	ARPM Grade II	Excellent	-67°F (-55°C)	120°F (50°C)	Excellent	Excellent	No	Yes	60	2200	500	80

Cover Compounds

Compound	International Standards	Abrasion Resistance	Low Temp.	High Temp. (Lumpy Material)	Cut & Gouge Resistance	Oil Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A	Tensile (psi)	Elongation (%)	DIN Abrasion (mm ³)
Flame-Resistant Compounds												
FRAR-2G	ARPM Grade I	Excellent	-40°F (-40°C)	150°F (66°C)	Good	No	ASTM D378 - 13.2	Yes	58	2550	540	85
FR-2G	ARPM Grade II, AS Grade E	Good	-40°F (-40°C)	212°F (100°C)	Good	No	ASTM D378-13.2	Yes	57	2500	540	140
FRORS-2G	DIN Z, AS Grade E	Good	-40°F (-40°C)	212°F (100°C)	Good	Good	ASTM D378-13.2	Yes	57	1900	410	245
FRAR-CSA C	ARPM Grade I, AS Grade E, CSA-C	Good	-40°F (-40°C)	160°F (71°C)	Fair	No	CSA-C	Yes	60	2550	540	85
FR-CSA C	ARPM Grade II, AS Grade E, CSA-C	Fair	-40°F (-40°C)	160°F (71°C)	Fair	No	CSA-C	Yes	55-65	2000	400	260
Pathfinder® Supreme	ASTM D378 - 13.2	Fair	-30°F (-34°C)	150°F (66°C)	Fair	Very Good	ASTM D378-13.2	Yes	60	1800	580	330
Pathfinder® Arctic	ASTM D378 - 13.2	Fair	-40°F (-40°C)	150°F (66°C)	Fair	Very Good	ASTM D378-13.2	Yes	60	1800	450	330
Pathfinder®	FR-CSA-C	Fair	-40°F (-40°C)	150°F (66°C)	Fair	Very Good	CSA M422	Yes	65	2000	550	250
Heat & Oil Compounds												
HT-Nitrile (Solar-Shield® OR)	ARPM Grade II, AS Grade N	Good	-15°F (-26°C)	300°F (149°C)	Fair	Superior	No	No	61	2800	610	145
ContiFlex® Compounds												
NEW Sentry	ARPM Grade II	Good	-40°F (-40°C)	200°F (93°C)	Good	No	No	Yes	60	2190	450	160
Sentry Plus	ARPM Grade I, DIN Y & Z, AS Grade E & N	Very Good	-40°F (-40°C)	200°F (93°C)	Very Good	No	No	Yes	60	3365	450	120
DIN Y	ARPM Grade II, DIN Y & Z, AS Grade E & N	Good	-40°F (-40°C)	200°F (93°C)	Good	No	No	Yes	65	2900	400	150
DIN W	ARPM Grade I, DIN W & Z, AS Grade E & N	Excellent	-40°F (-40°C)	200°F (93°C)	Very Good	No	No	Yes	60	2600	400	90
DIN X	ARPM Grade I, DIN X, Y & Z, AS Grade E & N	Very Good	-40°F (-40°C)	200°F (93°C)	Excellent	No	No	Yes	60	3625	450	120
Coaline	ARPM Grade II	Good	-40°F (-40°C)	180°F (82°C)	Good	No	ASTM D378-13.2	Yes	65	2170	400	150
Vulkan Classic		Good	-40°F (-40°C)	350°F (177°C)	Good	No	No	Yes	64	2175	350	120