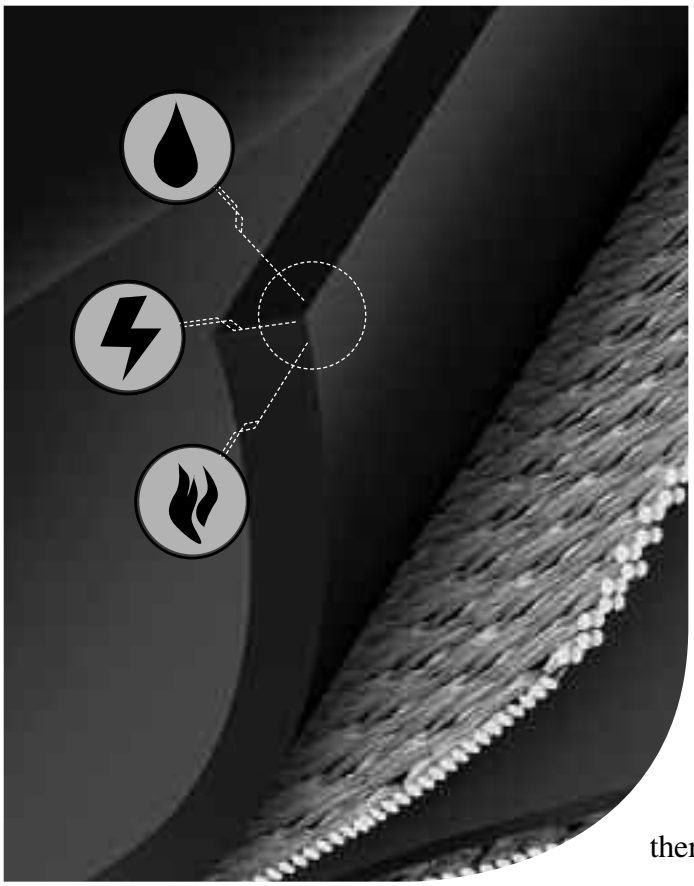
COVER COMPOUNDS

COVER COMPOUNDS



Protecting your investment with Goodyear Engineered Products cover compounds.

Goodyear Engineered Products 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.

COMPOUNDS	Coal Mining	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 and Gravel	Overland Transportation
	MARKETS													
ALUMINA - HOT						•								
ARMA® II	•	•									•			
ARMA®	•	•									•			
ARMA® - SBR	•	•									•			•
DEFENDER®		•	•	•	•	•	•	•		•		•	•	•
EASYRIDER®														•
FRAS-C		•				•				•	•			•
GRADE II			•									•	•	
HT NITRILE				•										
MORS					•									
OMEGA®	•	•				•				•	•			•
PATHFINDER® SUPREME									•					
SHIELD™	•	•									•			
SOLAR-SHIELD® 400				•		•								
SOLAR-SHIELD® XL 750				•		•								
STACKER®			•	•		•		•		•				•
SURVIVOR®			•	•		•		•		•			•	•
6740-A				•		•								•

ALUMINA-HOT: Specifically designed compound intended for usage at alumina facilities where the alumina product is at or above 160°F.

ARMA® (Abrasion Resistant, Mining Application): Designed for underground applications and meets Mine Safety and Health Administration designation 28-3 for flame resistance while maintaining good abrasion characteristics.

ARMA®-SBR: Designed especially for above-ground prep plant and power plant applications while maintaining Mine Safety and Health Administration Designation (MSHA) 28-3 for flame resistance.

ARMA® II: Designed especially for mining applications that require fire resistance. Offers 40% more abrasion resistance than ARMA-SBR while maintaining Mine Safety and Health Administration designation 28-3 for flame resistance.

DEFENDER®: An RMA Grade II rubber compound designed to provide excellent abrasion resistance, good gouge resistance and excellent flexing life.

EASYRIDER®: A low rolling resistance compound for the pulley side only which is designed to educe the energy cost by minimizing friction losses. Proven with over 200 miles of belt in operation, energy consumption is reduced by as much as 20% compared to standard compounds.

FRAS-C: Fire retardant anti-static belting is certified by the Canadian Department of Energy, Mines and Resources, Ottawa to CAN/CSA M422-M87, Type C, for below surface use as well as other mining operations.

GLOBAL X®: RMA Grade I. Offers superior cut, gouge resistance and very good abrasion resistance.

GRADE II: An RMA Grade II rubber compound designed to provide good abrasion resistance, good gouge resistance and excellent flexing life.

HT NITRILE: An oil-resistant compound formulated for applications demanding higher resistance to heat, oil and abrasion. It is resistant to temperatures up to 300°F, abrasion flexing, oxidation and the effect of corrosive atmospheres.

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

OMEGA®: Moderate resistance to oil and static conductive. O.M.E.G.A. qualifies as fire resistant under Mining Safety and Health Administration Designation (MSHA) 28-3.

PATHFINDER® SUPREME: Designed especially for the grain industry where oily grains and controlled mineral or vegetable oil dust suppressive sprays come in contact with the belt.

PATHFINDER® PLUS: Designed especially for the grain industry where oily grains and controlled mineral or vegetable oil dust suppressive sprays come in contact with the belt. Suitable to -40˚F.

SHIELD™: Rubber underground conveyor belt compound that extinguishes flames quickly and gives off less toxic gas and smoke. Meets MSHA B.E.L.T. standards - 14-CBA09001-MSHA

SOLAR-SHIELD® 400: A premium hot-material compound with excellent heat resistance. It is designed to carry hot loads at temperatures up to 400˚F and still retain its excellent heat resistant qualities. Solar-Shield 400 has added resistance against hardening and cracking.

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 temperatures up to 750˚F and retain its superior heat-resistant qualities.

STACKER®: Premium RMA Grade I Rubber Compound, designed for superior resistance to cutting, gouging, and abrasion.

SURVIVOR®: Superior abrasion resistance. Ideal for crushed stone, trap rock, ore, copper, taconite and other abrasive applications.

6740-A: Compounded for excellent heat and abrasion resistance in temperature ranges of 350˚F for lumpy material and up to 250˚F for hot baking loads.

ABRASION COMPOUNDS

COMPOUND	International Standards	Abrasion Resistance	Low Temperature	High Temperature (Lumpy Material)	Cut & Gouge Resistance	Oil Resistance	Flame Resistance
Survivor®	RMA Grade I, DIN Z, AS Grade A, N & E	Superior	-55°F	150°F	Very Good	No	No
Stacker®	RMA Grade I, DIN W & Z, AS Grade N & E	Excellent	-55°F	150°F	Excellent	No	No
Defender®	RMA Grade II, AS Grade E	Excellent	-40°F	212°F	Very Good	No	No
ABRASION & FLAME RESISTANCE							
ARMA®-SBR	RMA Grade II, AS Grade E	Very Good	-30°F	212°F	Good	No	MSHA 2G18.65
FRAS-C	RMA Grade II, AS Grade E, CSA-C	Good	-40°F	160°F	Fair	No	MSHA 2G18.65, CSA-C
ABRASION & OIL RESISTANCE							
HT Nitrile		Very Good	-10°F	300°F	Fair	Superior	No

CUT & GOUGE COMPOUNDS

COMPOUND	International Standards	Cut & Gouge Resistance	Abrasion Resistance	Low Temperature	High Temperature (Lumpy Material)	Oil Resistance	Flame Resistance
Global X®	RMA Grade I, DIN X, Y & Z, AS Grade M, N & E	Superior	Very Good	-55°F	150°F	No	No
Stacker®	RMA Grade I, DIN W & Z, AS Grade N & E	Excellent	Excellent	-55°F	150°F	No	No
Defender®	RMA Grade II, AS Grade E	Very Good	Excellent	-40°F	212°F	No	No

HEAT COMPOUNDS

COMPOUND	International Standard	High Temperature (Lumpy Material)	Low Temperature	Abrasion Resistance	Cut & Gouge Resistance	Oil Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
Solar-Shield® 400	---	400°F	-40°F	Very Good	Fair	No	No	Yes	65-75
Solar-Shield® XL750	---	750°F	-40°F	Very Good	Fair	No	No	Yes	65-75
Alumina-HOT	---	400°F	-40°F	Very Good	Fair	No	No	Yes	65-75
Style 6740A	RMA Grade II, AS Grade E	350°F	-40°F	Very Good	Very Good	No	No	Yes	52-62
Defender®	RMA Grade II, AS Grade E	212°F	-30°F	Excellent	Very Good	No	No	Yes	55-65

OIL COMPOUNDS

COMPOUND	International Standards	Oil Resistance	Low Temperature	High Temperature (Lumpy Material)	Abrasion Resistance	Cut & Gouge Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
Pathfinder® Supreme	---	Very Good	-30°F	150°F	Fair	Fair	MSHA 2G18.65	Yes	59-69
Pathfinder® Plus	---	Very Good	-40°F	150°F	Fair	Fair	MSHA 2G18.65	Yes	59-69
MORS - Wood Sawyer®	---	Good	-20°F	150°F	Good	Good	No	Yes	57-67

FLAME RESISTANT COMPOUNDS

COMPOUND	International Standards	Flame Resistance	Low Temperature	High Temperature (Lumpy Material)	Abrasion Resistance	Cut & Gouge Resistance	Oil Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
ARMA®	RMA Grade II, AS Grade E	MSHA 2G18.65	-30°F	150°F	Good	Good	No	Yes	
ARMA® II	RMA Grade II, AS Grade E	MSHA 2G18.65	-40°F	150°F	Excellent	Very Good	No	Yes	53-63
ARMA®-SBR	RMA Grade II, AS Grade E	MSHA 2G18.65	-30°F	150°F	Very Good	Good	No	Yes	52-62
FRAS-C	RMA Grade II, AS Grade E, CSA-C	MSHA 2G18.65 CSA-C	-40°F	160°F	Good	Fair	No	Yes	60-70
O.M.E.G.A.®	---	MSHA 2G18.65	-20°F	150°F	Good	Fair	Good	Yes	56-66
Pathfinder® Supreme	---	MSHA 2G18.65	-30°F	150°F	Fair	Fair	Very Good	Yes	59-69
SHIELD™	RMA Grade II	B.E.L.T.	-30°F	150°F	Very Good	Good	No	Yes	

HEAT & OIL COMPOUNDS

COMPOUND	International Standard	High Temperature (Lumpy Material)	Oil Resistance	Low Temperature	Abrasion Resistance	Cut & Gouge Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
HT Nitrile	RMA Grade II	300°F	Superior	-15°F	Very good	Fair	No	No	56-66

ABRASION COMPOUNDS

COMPOUND	International Standard	High Temperature (Lumpy Material)	Oil Resistance	Low Temperature	Abrasion Resistance	Cut & Gouge Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
Style BII	RMA Grade II, AS Grade E	150°F	No	-30°F	Excellent	Very good	No	Yes	56-66

SPECIALTY COMPOUNDS

COMPOUND	International Standard	High Temperature (Lumpy Material)	Oil Resistance	Low Temperature	Abrasion Resistance	Cut & Gouge Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
Style-B LE	RMA Grade II, DIN Z, AS Grade E	150°F	No	-40°F	Excellent	Very good	No	Yes	56-66

OIL COMPOUNDS

COMPOUND	International Standard	High Temperature (Lumpy Material)	Oil Resistance	Low Temperature	Abrasion Resistance	Cut & Gouge Resistance	Flame Resistance	ISO 284 Static Conductive	ASTM D2240A Shore A Hardness
P	None	120°F	Excellent	-67°F	Excellent	Excellent	No	Yes	55-65