

Mine Safety and Health Administration
Approval and Certification Center
Materials and Explosives Testing Branch

List of Accepted Flame Resistant
Solid Products (Interim Criteria) Taken into Mines

Date of Issue	Company	Product	MSHA Acceptance No.
6/27/77	Interroll, Corporation Current Address Unavailable	Conveyor Roller Cover	IC-10
8/1/77	Goodyear Tire and Rubber Company 1144 East Market Street Akron, Ohio 44316 Partial-Transfer to Longwood Elastomers, Inc. (Transferred to Veyance Technologies, Inc. Goodyear Engineered Products)	Armadillo Chute ArmaBond Chute Liner Acousta Sheet Style 200 Skirtboard & Beltwiper Chute Line Pulley Lagging LS-566 Abrasion Cover	IC-11/1 IC-11/2 IC-11/3 IC-11/4 IC-11/5 IC-11/6 IC-11/12
8/2/77	Acme-Hamilton Out of business	Chute Liner, Belt Skirt	IC-12
2/10/78	Gates Rubber Company 1001 South Broadway Denver, CO 80217	Skirtboard (03968)	IC-4/2
2/21/78 5/30/78 8/12/78	Joy Technologies, Inc. 120 Liberty Street, POB 791 Franklin, PA 16323 (Now Joy Global)	Limberroller Conveyor Roller Sideloader Conveyor Track	IC-23 IC-23/1 IC-23/2

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3/13/78	Monsanto Textiles Company 600 North Lindberg Boulevard St. Louis, MO 63167	Bedim (Road Underlay)	IC-24
3/21/78	Cooper Tire & Rubber Company Findlay, OH 45840	Conveyor Roller Covers	IC-26
3/27/78	Hewitt-Robbins 40 Fairfield Place West Caldwell, NJ 07006	Tuffgard-Chutelineer-Conveyor Roller Cover	IC-27
6/5/78	Glenaire, Incorporated 1211 Air Way Glendale, CA 91201	Remote Control Cable	IC-34
8/31/78	Empex Industrial Hose Company Current Address Unavailable	T-192 Skirtboard Rubber	IC-28/4
10/6/78	Hamill Manufacturing Company 61166 Van Dyke Road Washington, MI 48094	"Help" Energy Absorbing Bumper System	IC-45
12/14/78	Victor Balta Belting 1118 S 25th Street Easton, PA 18042	Rubber Compound X2409-Chute Liner or Skirtboard Rubber Compound 3070 Chute Liner	IC-52 IC-52/1
5/30/79	McCreary Industrial Products Box 769 Indiana, PA 15701	Compound #9070 Conveyor Roller Cover	IC-5/5

Date of Issue	Company	Product	MSHA Acceptance No.
6/20/79	Urethane Products Canada, Limited 3161 Wharton Way N Mississauga, Ontario, Canada	Polyurethane Hose Protector	IC-57
8/2/79	North American Roller Company Current Address Unavailable Now DBT America Inc. 2045 West Pike Street Houston, PA 15342	Marlex HHM TR- 418 Roller Cover Type Exalon C Conveyor Roller Cover Material	IC-56 IC-56/2
11/5/79	Camlok Division Empire Products Company Current Address Unavailable	Connector	IC-63 IC-63/1
11/6/79	B.F. Goodrich Company 1801 S Railroad Street Salisbury, NC 28144	Compound #60144 Chuteline and Skirtboard	IC-64
2/4/80	Marnat Industrial Company Current Address Unavailable	Natprene-G Conveyor Roller Cover-Skirtboard	IC-69
2/19/80	Performance Materials, Inc. Out of business	S AM 80 Roller Cover	IC-68
5/2/80	Accessible Products Company Current Address Unavailable	Acoustozip 650 Noise Abatement	IC-73

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5/30/80	Carolina Rubber Hose Company 1801 S. Railroad and C Ave. Salisbury, NC 28144	Carothane Conveyor Roller Cover	IC-75
10/10/86	Imperial Eastman Div. of Pullman Corp. P.O. Box 847 Manitowoc, WI 54221 Richard Lee Fischer 414-682-0171	Polyurethane Abrasion Sleeve for Hydraulic Hose	IC-78/2
5/20/81	Mantaline Corporation Box M Mantua, OH 44255	Skirt Board Material	IC-82
5/21/89	Foulke Rubber Products, Inc. 600 Linnerud Drive, P.O. Box 238 Sun Prairie, WI 53590	XP-3063 Conveyor Roller Cover 6106 Conveyor Roller Cover	IC-86 IC-86/1
6/12/90	Aerquip Corp. Industrial Div. 1225 West Main St. Van Wert, Ohio 45891 Steve Barber, Tech. Eng. 419-238-1190 (Transferred to Danfoss Power Solutions II, LLC)	Nylon Abrasion Sleeve for Hydraulic Hose	IC-84/16
09/06/83	Poly-Hi Solidur, a Menasha Corp. Name changed to Quadrant EPP USA, Inc.	TIVAR 88 FlamEX UHMW-PE	IC-112/0 IC-112/1

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1/15/91	Custom Urethane Elastomers, CUE 11 Leonberg Road Cranberry Township, Pa 16066	CMP #P0650 Chute Liner Skirt Board	IC-143/4
06/29/06	C.U.E of West	Pumpkin Orange	IC-143/5
04/25/07	Virginia	or Red	IC-143/6
07/03/08	P.O. Box 32	"Hardliner" Belt	IC-143/7
12/17/08	Mt. Hope, WV 25880	Cleaner and Chute Line	IC-143/8
12/12/88	Whittaker Corporation Current Address Unavailable	05779 Conveyor Roll Cover	IC-145/1
07/15/97	Rapisarda Industries Strada Padana Superiore 49 200633 Cernusco sul Naviglio, Italy Transferred to Caterpillar	242906 Hydraulic Hose Cover	IC-146/10
6/13/89	Red Rock Rubber, Inc. 419 South Street Pella, IA 50219		IC-147/1
8/23/89	Precision Pulley, Inc.		IC-148/1
8/6/91	P.O. Box 108, 300 SE		IC-148/3
1/31/14	14th Street		IC-148/7
5/16/23	Pella, IA 50219		IC-148/8
11/15/89	American Group, Inc P.O. Box 18170 Knoxville, TN 37928	Jack-Wrap-It Compound RB 306	IC-149/1

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5/24/90	Solidur Plastics Company 200 Industrial Drive Delmont, PA 15626	Compound 10102R Conveyor Roll Cover	IC-151/1
9/12/91	Dayco Products, Inc. 1 Prestige Place P.O. Box 1004 Dayton, Oh 45401-1004 (Transferred to Parker Hannifin Corporation) Joseph S. Murken, Director Mining Products 513-226-5895 fax 513-226-4689	Polyurethane Abrasion Cover for Fire Suppression Hose and Hydraulic Hose	IC-2G-2C/3
8/28/91	Stockton Rubber Mfg. Co., Inc. 7367-B E. Mariposa Road Stockton, CA 95215	SC8010, 5010, 201 and 203	IC-165/1
1/30/92	Tompkins Industries, Inc. 9565 Alden Lenexa, KS 66215 Dan Turbull 913-888-8707 Fax 913-888-5481	HHPN Sleeve, Style 1236XN	IC-167/1
10/7/92	Johnston-Morehouse-Dickey Co. P.O. Box 173 5401 Progress Blvd. Bethel Park, PA 15102	Abrasion cover for hydraulic hose	IC-170/1

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02/17/93	Southern Weaving P.O. Box 487 Greenville, SC 29602 864-240-9300 964-240-9302 FAX Tommy Lee	Compounds 5010 AN 1234RN Abrasions Sleeves	IC-171/1 IC-171/2 IC-171/3 IC-171/4 IC-171/5
01/08/09	ASGCO Mfg. Co.	"Return Idler Guard"	IC-174/3
3/4/94	Continental Rubber, Inc. 511-12th Ave, Box 174 Alberta Canada NISKU	CB11 Roll Covers	IC-176/1 through IC-176/4
8/7/96	Arch Environmental Equipment 5929 Benton Road Paducah, Kentucky 42003	Gordon Saber Belt Cleaner Gordon Twister Conveyer Belt Tensioner #2 Gordon Twister Conveyer Belt Tensioner #3	IC-185/1 IC-185/2 IC-185/3
6/4/97	Nippon Tsusho Co. Ltd. C/o Mitsui Textile Corporation 150 Broadway, 22nd floor New York, NY 10018	Type H, P, & R Belt Cleaners	IC-184 IC-184/1 IC-184/2
8/19/97	Ultra Poly, Inc. 2926 South Steels Street Tacoma, WA 98409	Conveyor Belt Rollers Belt Scrapers Chute Liners	IC-193
02/05/98	A.L. Hyde Company 1 Main Street Grenloch, New Jersey 08032	Conveyor Roller Covers	IC-196

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04/14/98	DSM Engineering Plastic Products, Inc. Name change to Quadrant EPP	Nylatron GSM Conveyor Edge Rollers	IC-197
04/27/98	Engineering Products & Services, Inc.	Elastolan Air & Water Hose	IC-198
05/12/98	Minet SA	Super-Screw 63, 80 or 125 Belt Splice	IC-200
03/12/99	Ramamoorthy Thiruvankadam Narrirot Industries, Inc.	Nylon 6 Webbing, Patter #23100, " 100% Textured Nylon Protective Sleeve" as abrasion resistant covering	IC-202
09/02/99	WEBTEC, Incorporated	TerraGrid Mine Grid 35x30	IC-203
1/20/00	Snap-Tite Hose, Inc. (Name changed to All-American Hose, LLC) 217 Titusville Road Union City, PA 16438 (814) 438-7616	Hose Guard #1 (B) Hose Guard #2 (C) Hose Guard #3 (A) Abrasion Sleeve Hose Covers	IC-204
08/31/00	Mazzer Industries, Inc. Transferred to Mazzer Materie Plastiche. Transferred to Smart protections srl	Abrasion sleeve	IC-207/01 IC-207/2 IC-207/3 IC-207/4 IC-207/5 IC-207/6 IC-207/7

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12/22/00	Federal-Mogul Systems Protection Group, Inc. 1277 Joe Battle Boulevard El Paso, TX 79936	Pro-Gard Nylon Sleeve Pro-Gard Hyd. Hose Protection Sleeve	IC-208/0 IC-208/1
05/09/01	Tape Craft Corporation	Nylon webbing hose protection sleeve	IC-212/0 IC-212/1 IC-212/7 IC-212/9
09/06/02	Sunny-Hose Company	Ironsides 200 Heavyduty Wate Discharge Hose	IC-218/0
04/11/03	Ten Cate Nicolon	MineGRID FR Green 15x8 And MineGRID FR Green 15x14 Rib/Roof Material	IC-220/0
04/15/04	Tape Craft Corporation	Types 2004-0008 and 2004-0009 Black Nylon Webbing Hydraulic Hose Protection Sleeve Type 2004-0052 Black Nylon Webbing Hydraulic Hose Protection Sleeve	IC-212/2 IC-212/3
01/14/05	Rochling Engineered Plastics	Type Polystone M Natural FLR UHMW Polyethylene Sheetting	IC-228/0 IC-228/1

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05/23/05	F&R Manufacturing	PRO-TEC-TO SLEEVING PRO-TEC-TO WRAP	IC-231/0 IC-231/1
10/05/05	KF Molded Products	90A DUROMETER POLYESTER CAST URETHANE SHEETING	IC-235/0
10/05/05	KF Molded Products	83A DUROMETER POLYESTER CAST URETHANE SHEETING	IC-235/1
10/05/06	Synteen Technical Fabrics	Mine Grid 55, Rib/Roof Material	IC-240/0
04/05/07	RS Technologies	Type "VRoll Conveyor Roller Cover	IC-244/0 IC-244/1
06/20/07	DIMEX LLC	3v-018-36-105-v- Groove Runner Matting	IC-246/0
05/30/08	Inka Oy	"INKA08" Protective Sleeve	IC-248/0
07/07/08	LINE-X Franchise Development Corporation	LINE-X XS-252 Chute Liner	IC-249/0
09/12/08	Superior Industries	Moxie Rolls Conveyor Idler Roller	IC-250/0 IC-250/1

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10/09/08	Inka Oy	"SAFESLEEVE" Protective Sleeve	IC-251/0
04/29/10	Glen Raven Technical Fabrics	MineMesh Grid Material	IC-265/0 IC-265/1 IC-265/2
10/6/10	Ottensteiner Kunstsoff GmbH & Co.	Ok 2000-FEx 999 Flame Retardant UHMW Polyethylene Sheet	IC-266/0
10/19/11	Industrias Ponsa	"Tubular Webbing" Hose Sleeve	IC-273/0 IC-273/1
12/7/11	Cooper Interconnect	Limberoller Conveyor Belt Idler Molding Material 319716-1	IC-274/0
04/27/12	LUFF Industries	2300 and 3400 Series Conveyor Idler Material	IC-278/0
06/06/12	Rematec Pty Ltd	Hose Sleeve, "SNAKE-IT Protective Wrapping"	IC-282/0
10/24/12	Milliken Company	CONCRETE CLOTH™	IC-287/0
01/17/13	Suburban Manufacturing, Inc.	"Suburban Sidewinder Sleeve - 40HDA" Protective Hose Sleeve	IC-289/0
01/17/13	Pleiger Plastics Company	"Plei-Tech 22 Foam"	IC-290/0

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03/05/13	SHENZHEN JDDTECH CO., LTD	"NSSP" Protective Hose Sleeve	IC-293/0 IC-293/1 IC-293/2 IC-293/3 IC-293/4 IC-293/5 IC-293/6 IC-293/7
05/15/13	Epic Polymer Systems	Vypur FRAS Urethane	IC-297/0
09/04/13	Hydrocoil CC. P.O. Box 10069 Strubenvale 1570 South Africa	Safety Guard Hose Sleeve	IC-298/0
09/24/13	Fluid Hose & Coupling, Inc. 6150 Dixie Rd Mississauga, Ontario L5T CANADA	ProM10 Minespray Hose	IC-299/0
01/19/14	Superior Tire & Rubber 1818 Pennsylvania Ave. Warren, PA 16365	Orange Adiprene LF 1900A Base Urethane	IC-300/0 IC-300/1 IC-300/2 IC-300/3 IC-300/4
06/12/14	South Carolina Elastic 201 South Carolina Elastic Rd., Landrum, SC 29356	40783 Hose Sleeve	IC-302/0
07/25/14	Jintong Rubber Company No. 5289 Xiwaihuan Road, Zoucheng City, Shandong Province, China	Cover for JINTONG Hydraulic Hose	IC-303/0

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03/16/17	Quality Conveyor Solutions	Lorbrand Composite Idlers with Alien GF-FR Tube (conveyor idlers)	IC-335/1
07/16/19	ZMJ America, Inc.	ZMJ Leg Pocket Filler	IC-354/1
04/07/22 04/07/22	Ningguo BST Thermal Products Co., LTD	Polyamide Protective Sleeving Material	IC-384/1 IC-384/2
04/27/22 09/21/22	Famur SA Transferred to Grenevia S.A.	Flame Resistant, Anti-Static, L-PUR Leg Pocket Mud Flap Material	IC-385/1 IC-385/2
07/10/24	PROK Conveyor Equipment LLC	TUBEX FRAS, for use as Shell Material for Conveyor Rollers	IC-404/1
08/07/24	Hansa Flex India Pvt. Ltd.	Silicon Coated Fiberglass Fire Sleeving	IC-408/1
10/23/24	Pyroglass Limited	PGH.20/ROS, for use as Heat Protective Sleeving	IC-413/1
01/29/25	Dongguan Gushang Electronic Technology Co., Ltd.	GSKJ brand PA Weaving Sleeve, (GSKJ-PWB) for use as protective sleeving	IC-415/1

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07/22/25	Meritum Sp. z o.o., Siedziba Firmy 44- 2033 Rybnik ul. Premyslowa 3, Zaklad Produkcyjny 41-902 Bytom ul Berndynska 11, POLAND	Compound MTM T- 15B (Purex EPI 20 M 4) for use as Shield Pocket Filler Material.	IC-421/1