

## Product Range

Quality	Main Uses	Construction	Weaving Type	Weight	Certifications
FOREST-582	Petroleum Refineries, Natural Gas Power Plants, Military, Firefighting, Welding, Electric Facilities	Unique blend of; Meta-Aramid, Para Aramid and Anti-Static fibre	Twill	210 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F2 EN ISO 11611 : 2007 Class 1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 61482-1.2 : 2007 Class I ( 4 kA ) EN 14362-1 : 2012 Pass
ETNA	Flammable Gas Filling, Firefighting, Natural Gas Power Plants, Welding, Petroleum Refineries	Unique blend of; Meta-Aramid, Para-Aramid and Anti-Static fibre	Rip-stop	190 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F2 EN ISO 11611 : 2007 Class 1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 14362-1 : 2012 Pass
BROADWAY	Petroleum Refineries, Natural Gas Power Plants, Electric Arc Flash	Unique blend of; Modacrylic, Cotton and Anti-Static fibre	Twill	250 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 61482-1.2 : 2007 Class I ( 4 kA ) EN 14362-1 : 2012 Pass
BATTERY	Electri Arc Facilities, Automotive Industry, Petro - Chemical and Natural Gas Plants	Unique blend of; Modacrylic, Viscose FR, Aramid with Anti-Static fibre	Rip-stop	285 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F2 EN ISO 11611 : 2007 Class 1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 61482-1.2 : 2007 Class I ( 4 kA ) EN 14362-1 : 2012 Pass
SAHARA	Wildland Firefighters, Search & Rescue Teams	Unique blend of; Para-Aramid, Meta-Aramid and Anti-Static fibre	Twill	190 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass
ITALY	Firefighting, Flammable Gas Filling, Military, Petro-Chemical, Automotive Industry	Unique blend of; Meta-Aramid, Para-Aramid and Anti-Static fibre	Twill	190 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 14362-1 : 2012 Pass
WORKER-150	Shirting for Petroleum Refineries, Oil Station Workers, Natural Gas Power Plants	Unique blend of; Lenzing FR, Para-Aramid, Polyamid and Anti-Static fibre	Rip-stop	150 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass
WORKER-195	For Hot Climates, Fuel-Oil Stations, Tanker Drivers, Petroleum and Natural Gas Plants, Iron&Steel	Unique blend of; Lenzing FR, Para-Aramid, Polyamid and Anti-Static fibre	Rip-stop	195 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass
WORKER-260	Welding, Iron&Steel, Glass Industry, Automotive Industry, Mining	Unique blend of; Lenzing FR, Para-Aramid, Polyamid and Anti-Static fibre	Twill	260 gr/mt <sup>2</sup>	EN ISO 11612 : 2008 A1-A2-B1-C1-F1 EN ISO 11611 : 2007 Class 1 EN 1149-3 : 2004 ( EN 1149-5 ) Pass EN 14362-1 : 2012 Pass
CONDOR	Linings of Turn-Out Suits and Winter Jackets	Unique blend of; Meta-Aramid and Lenzing FR fibre	Plain	110 gr/mt <sup>2</sup>	EN ISO 14116 : 2008 Index 3 / 5H / 60

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## WORKER - 150

### High Performance Protective Shirts



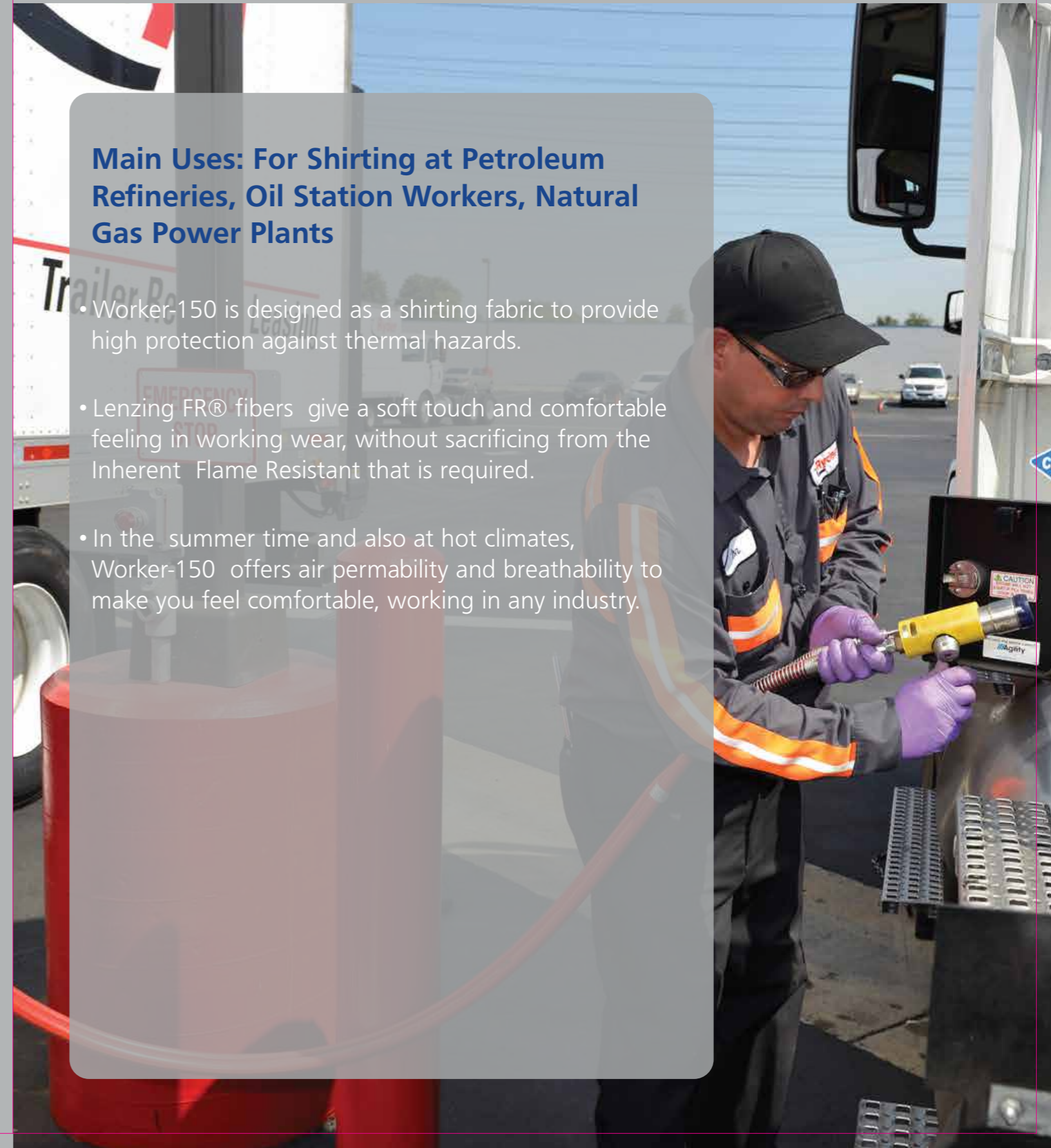
EN ISO  
11612



EN  
1149-5

### Main Uses: For Shirting at Petroleum Refineries, Oil Station Workers, Natural Gas Power Plants

- Worker-150 is designed as a shirting fabric to provide high protection against thermal hazards.
- Lenzing FR® fibers give a soft touch and comfortable feeling in working wear, without sacrificing from the Inherent Flame Resistant that is required.
- In the summer time and also at hot climates, Worker-150 offers air permability and breathability to make you feel comfortable, working in any industry.



# WORKER - 150

High Performance Protective Shirts



CERTIFICATIONS	STANDARDS
EN ISO 11612 : 2008	A1-A2-B1-C1-F1
EN 1149-3 : 2004 ( EN 1149-5 )	PASS



Test	Method	Result
ELECTRIC ARC TEST	EN 61482-1.2 Class 1 ( 4 kA )	N/A
FLAME SPREAD FABRIC AFTER WASH A1	EN 15025 Met.A:2002	A1
FLAME SPREAD FABRIC ORIGINAL A1	EN 15025 Met.A:2002	A1
FLAME SPREAD FABRIC AFTER WASH A2	EN 15025 Met.B:2002	A2
FLAME SPREAD FABRIC ORIGINAL A2	EN 15025 Met.B:2002	A2
RADIANT HEAT (AFTER WASHING FABRIC 20KW )	EN ISO 6942:2002 Met.B	B1
CONVECTIVE HEAT ( AFTER WASHING FABRIC 80KW)	ISO 9151:1995 Pto.B	C1
CONTACT HEAT AFTER WASHING	ISO 12127 Pto.F	F1
HEAT RESISTANCE 180°C	ISO 17493:2000	PASS
HEAT RESISTANCE 260°C	ISO 17493:2000	N/A
HEAT RESISTANCE	EN ISO 14116 Index 3	N/A
TEAR STRENGTH AFTER WASH.	EN ISO 13937-2:2001	Warp : 23 N Weft : 22 N
TENSILE STRENGTH AFTER WASH.	EN ISO 13934-1:1999+ERRATUM 2000	Warp : 460 N Weft : 420 N
BURSTING STRENGTH	EN ISO 13938-2: Hydrostatic Method	N/A
SMALL MOLTEN METAL SPLASHES AFTER WASHING	ISO 9150	N/A
ELECTRICAL INSULATION AFTER WASHING	EN 1149-2:1998	N/A
CHARGE DECAY AFTER WASHING	EN 1149-3:2004 Met.2	PASS
DETERMINATION OF FORBIDDEN AZO COLORANTS	EN 340:2004; EN 14362-1:2004/AC:2005	N/A
DIMENSIONAL STABILITY FABRIC FOR EACH FABRIC	EN ISO 5077:2008 + ERRATUM:2008	Warp : - 3,0 % Weft : - 2,0 %
COLOUR FASTNESS TO WASHING	EN ISO 105-C06:1997 Method C2S ( @ 60 ° C )	4
COLOUR FASTNESS TO DRY CLEAN	EN ISO 105-D01:1995	4
COLOUR FASTNESS TO RUB FASTNESS	EN ISO 105-X12:1995	Dry : 4 Wet : 2-3
COLOUR FASTNESS TO PERSPIRATION	EN ISO 105-E04: 2013	Acid : 5 Alkaline : 5
DETERMINATION OF PH VALUE	EN 3071:06	N/A
MARTINDALE ABRASION	EN 12947-2:1999( 9 kPA )	> 10.000
PILLING RESISTANCE ( 2000 rubs ) ( After 1 washing @ 60 ° C )	EN ISO 12945-2:2001	3

# WORKER - 150

High Performance Protective Shirts



FABRIC CONSTRUCTION	Unique blend of; Lenzing FR, Para-Aramid, Polyamid and Anti-Static fibre
WEIGHT	150 gr/ mt <sup>2</sup>
WEAVING TYPE	Rip-stop
USABLE WIDTH	150 cm

**Main Uses: For Shirting at Petroleum Refineries, Oil Station Workers, Natural Gas Power Plants**

Please contact your sales executive for further information.