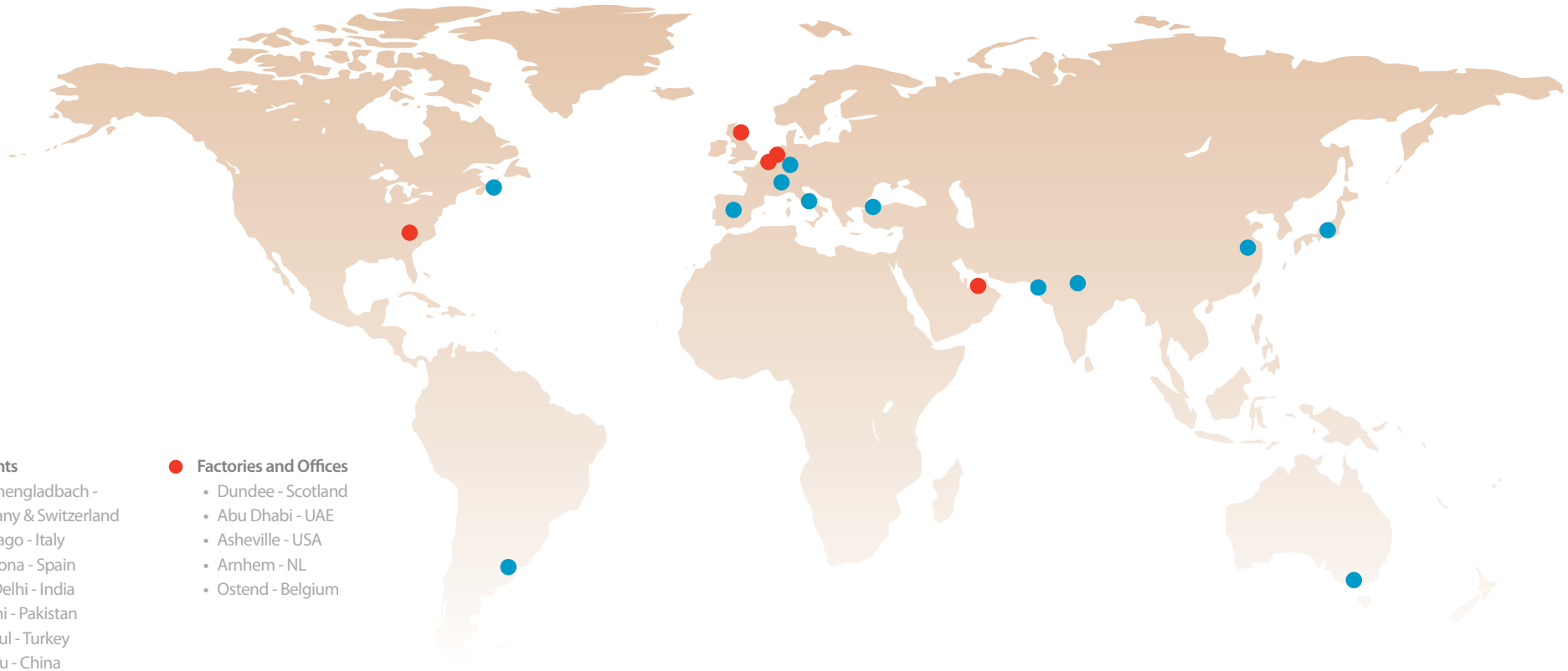
Advanced Polypropylene

Carpet Backing Yarns

BONAR YARNS

Delivering Tomorrow's Yarn Solutions – Today

Bonar Yarns has been manufacturing quality PP backing yarns for Axminster & Wilton woven carpets, since 1970. Our commitment to quality and an extended range of products has made Bonar Yarns the Global Market Leader with a worldwide renowned reputation.



Our Agents

- Monchengladbach - Germany & Switzerland
- Sumirago - Italy
- Barcelona - Spain
- New Delhi - India
- Karachi - Pakistan
- Istanbul - Turkey
- Jiangsu - China
- Tokyo - Japan
- Melbourne - Australia
- Buenos Aires - Argentina
- Nova Scotia- Canada

Factories and Offices

- Dundee - Scotland
- Abu Dhabi - UAE
- Asheville - USA
- Arnhem - NL
- Ostend - Belgium

Bonar Yarns PP carpet backing products deliver the following benefits to your carpet and to your business:

- **Increased Loom Speed & Efficiency** via stronger yarns than conventional spun yarns & natural fibres, meaning less loom breaks
- **Increased Runnage** with more meters per kilo for your money than conventional spun yarns & natural fibres
- **Reduced Weight** due to PP having a lighter specific gravity, making it an ideal component for aircraft, cruise liners and train carpet
- **Excellent Carpet Stability & Perfect Pattern Repeat** due to exceedingly uniform, stable and consistent yarn characteristics
- **Water and Acid Resistant** making a PP synthetic backed carpet ideal for cruise liner carpets
- **Mould and Fungus Free** due to PP being completely inert
- **Fully Heat Set Yarns** which promote stable and uniform carpet width, essential for the contract carpet market for hotel ballrooms, airports and other large floor areas

Together with these benefits, Bonar Yarns has developed a wide product range of backing yarns, offering you the most appropriate yarn solution for each specific application:

Environmental Sustainable Yarns
weft yarns made from 100% recycled PP

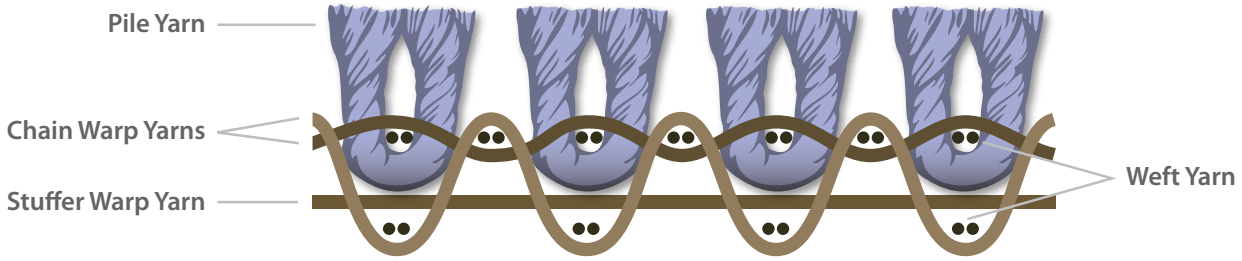
Flame Retardant Yarns
for the aircraft, cruise and train flooring market

UV Stabilised Yarns
for outdoor carpet and rug applications. The UV inhibitor will stop the PP yarn degrading when exposed to Ultra Violet rays.

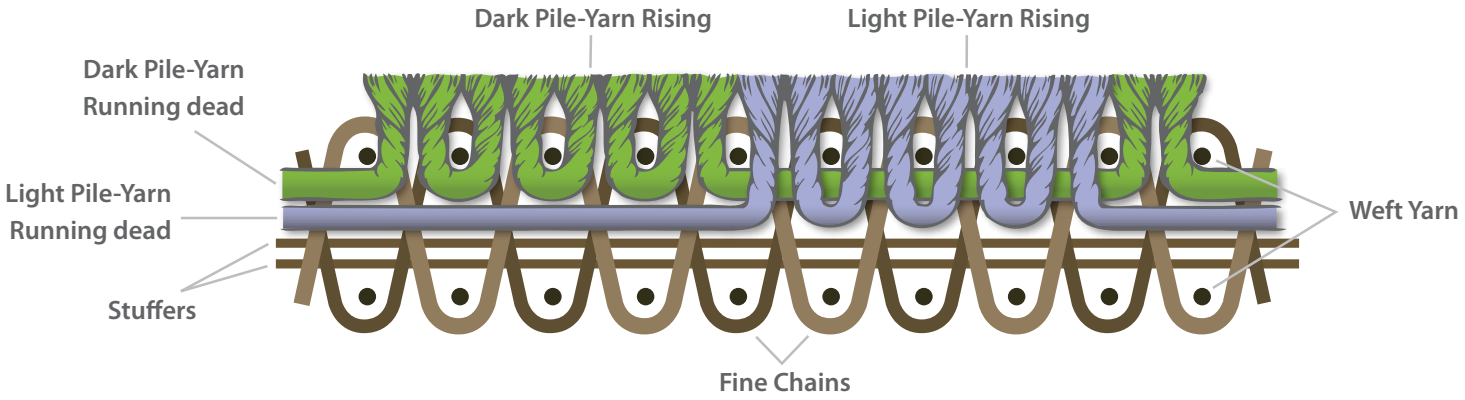
ISO Certified 9001:2008
guarantees you a reliable and consistent quality product

Weave Types

Axminster



Wilton



Bonaweft™

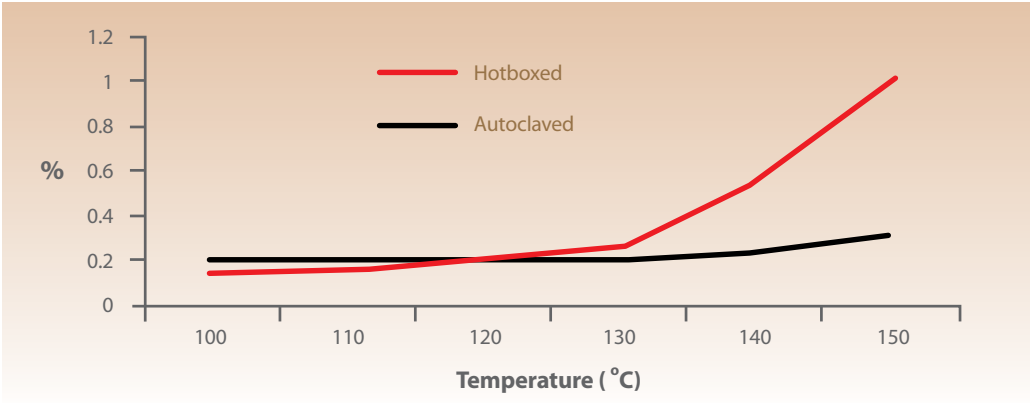
Bonar Yarns polypropylene weft yarns, twisted or untwisted, are made to very tightly controlled shrinkage specifications enabling the carpet to be processed through the latex finishing operation without fear of shrinkage. The uniformity of the yarn ensures smooth running and reduces stoppages caused by yarn breaks. Additionally, Bonar has developed 89 Tex and 105 Tex yarns for the manufacture of high end rugs in excess of 1.5 million knots per m².

Twisted Quality	Untwisted Quality	Tex	Metric Count	Jute Tex Replacement	Meters per kilo (polypropylene)	Meters per kilo (jute)
12114		89	11.2	207	11,235	4,816
1205	1105	133	7.5	241	7,518	4,155
1209	1109	200	5.0	276 - 344	5,007	3,628 - 2,911
1227		278	3.6	412 - 482	3,602	2,431 - 2,078
12165		500	2.0	826	2000	1207
12167		361	2.8	482-551	2781	2708-1207

Bonaclave™

Bonar Yarns autoclave yarns are steam treated at a temperature of 150°C. The principal benefits are near zero shrinkage on every metre of yarn, twist retention and general stabilisation of yarn configuration, especially for an open weave carpet construction.

Comparison of Shrinkage between Hotboxed and Autoclaved Yarns



Bonastuffer™

Bonar Yarns polypropylene stuffer warp yarns are specifically made with minimum extension and minimum shrinkage to provide a stable back for all woven carpets. High twist levels ensure better weavability. All Bonar's stuffer warp yarns can be made twist-set for increased beaming efficiency. This extra treatment to the yarn eliminates any remaining twist liveliness.

Quality	Tex	Metric Count	Twist (per meter)	Jute Tex Replacement	Meters per kilo (polypropylene)	Meters per kilo (jute)
0604	133	7.5	80	210-240	7,518	4,430
0606	156	6.4	80	280	6,410	3,560
0648	222	4.5	40	413	4552	2414

Bonachain™

Bonar Yarns twisted chain warp yarns offer considerable savings over cotton spun yarns because of the increased length of yarn per kilo which results in fewer beam changes and better production efficiency.

Polypropylene chain warp yarns are more stable, have less elongation and reduce creep more than polyester blend yarns. This gives a better interlock within the carpet construction.

Quality	Tex	Metric Count	Twist (per metre)	Meters (per kilo)
0950	133	7.50	60	7,500
	3 x 30 Polyester Blends	11.20	-	11,000
	3 x 37 Polyester Blends	8.00	-	8,000
	4 x 50 Polyester Blends	5.00	-	5,000
0973	133	7.50	60	7500

Bonaflame®

Bonar Yarns flame retardant yarns meet stringent health and safety requirements and are manufactured under our ISO 9001:2008 Quality Control System. Bonaflame yarns help the finished carpet system meet international FR standards.

They are particularly well suited for specialist areas including the Aircraft & Marine market sectors.

Bonaeco®

Bonar Yarns has developed a recycling program which could have a dramatic impact on the way in which polypropylene carpet backing yarns are produced in the future. Using a dynamic process, Bonar Yarns is producing PP warp and weft yarns made from 100% recycled material that technically meet all tex and shrinkage requirements consistently, so that the quality of the end product is in no way compromised.

In addition to Bonaeco, Bonar's regular range of fibrillated polypropylene yarns are recyclable. In conjunction with polypropylene pile yarn, these carpets can be reprocessed more easily than those with mixed fibre yarns.

Bonar Yarns started weaving production in this building over 100 years ago.
Today this site continues delivering quality PP backing yarns around the world

BONAR YARNS

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