



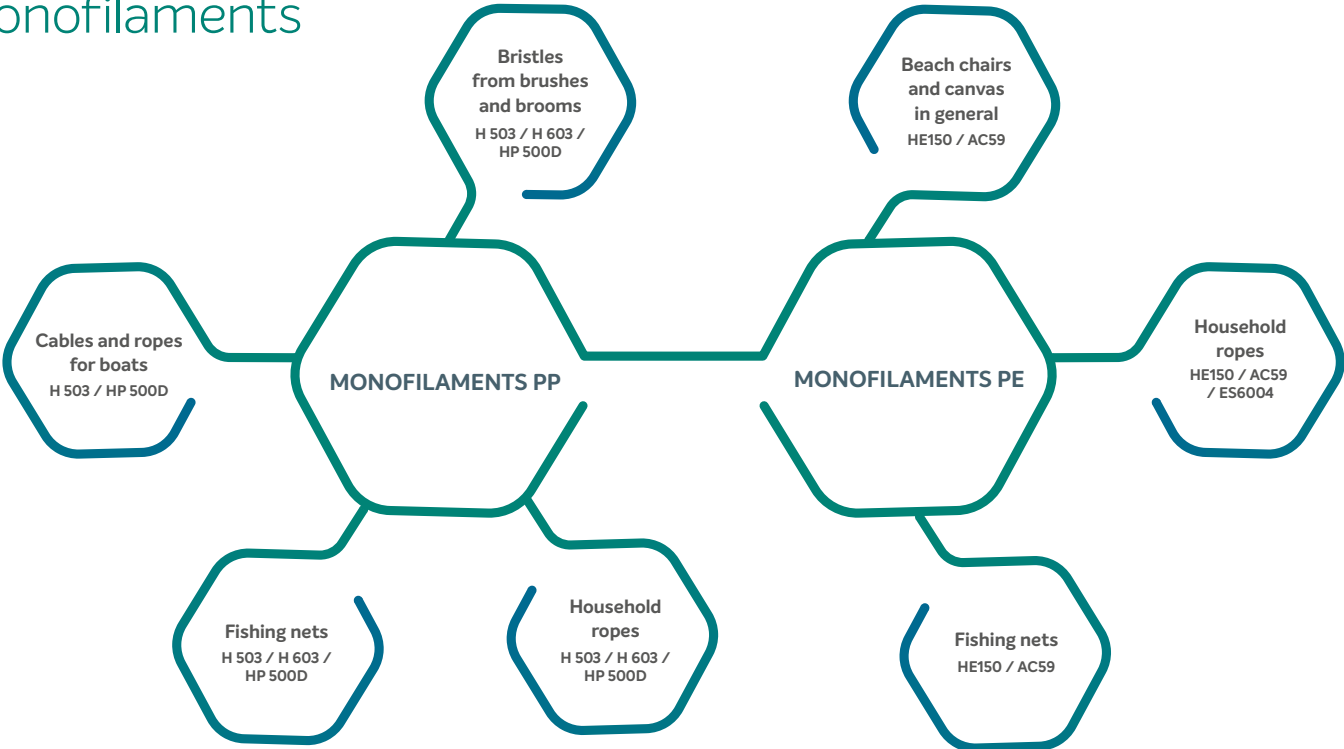
Textiles and Fibers

Advantages of Polypropylene in Textile Applications

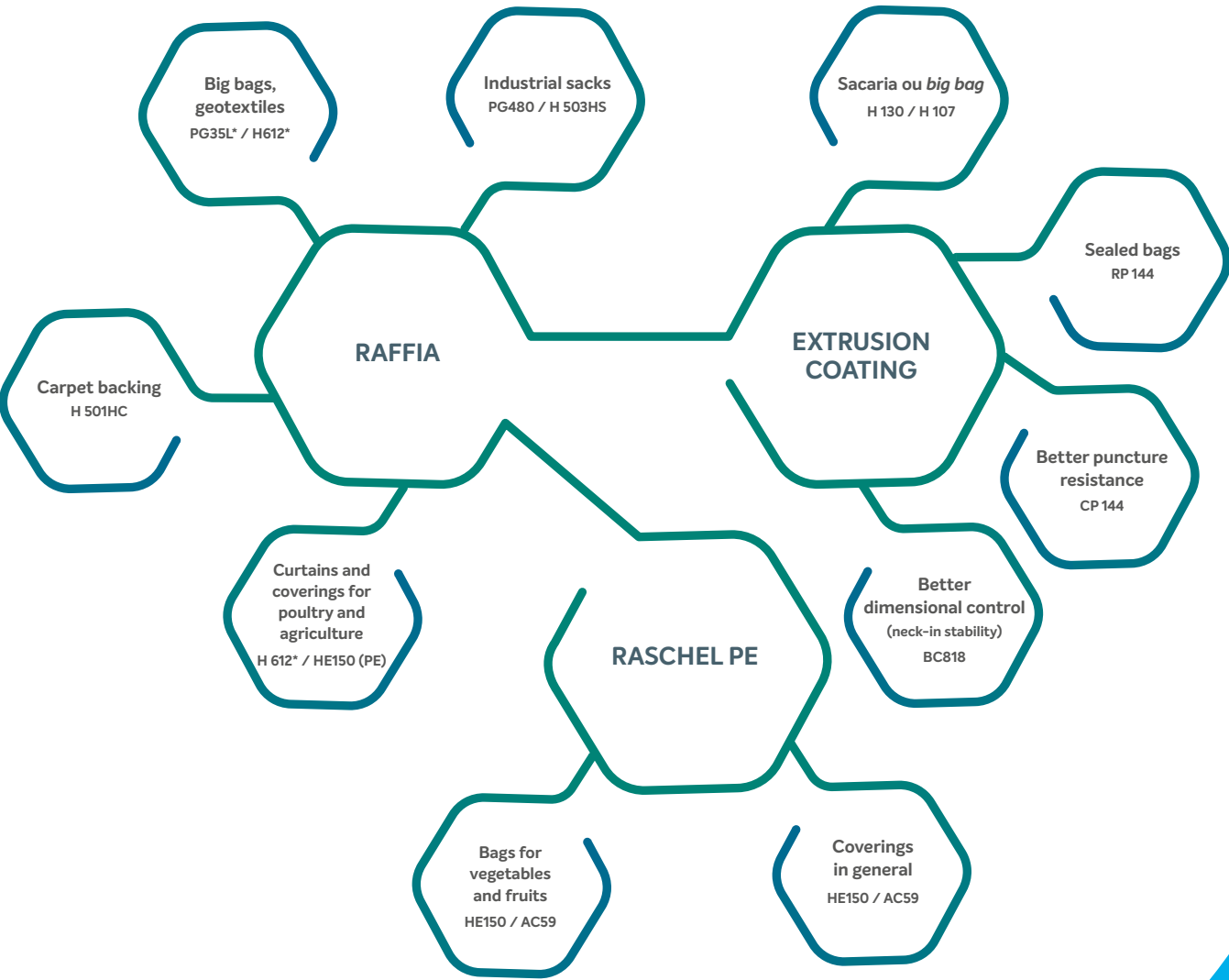


- The versatility of polypropylene offers a range of unique characteristics, combining durability, comfort, and practicality in a wide variety of textile applications:
- Lightweight – 40% lighter than cotton, 35% lighter than polyester, and 20% lighter than polyamide
 - Low moisture absorption – providing quick drying and eliminating odors
 - Easy to clean – easily washable and virtually immune to stains (oils, grease, coffee, blood, etc.)
 - Excellent color fastness – because it is dyed in mass, it does not fade over time
 - High abrasion resistance – reducing wear, especially on rugs and carpets
 - High resilience – offering good ability to recover from folding and not wrinkling
 - Excellent thermal insulation

Monofilaments



Raffia



*UV Additive.



Raffia

Product PG480

Product PG35L

Higher
Line
Speed

PG480 increases of up to **15%** in final line speed were achieved while maintaining the same mechanical properties compared to conventional grade in a high-speed extrusion line.

Higher
Productivity

The increased final line speed provided by PG480 can generate an additional annual production of **450 tons** per high-speed extrusion line compared to conventional grade.

Stability in Thickness
and Mechanical
Properties

Provides greater stability in the thickness and mechanical properties of the tape, reducing standard deviation by up to **40%**.

PG35L, increases of up to **25%** in final line speed were achieved, while maintaining the same mechanical properties compared to conventional grades in an extrusion line.

PG35L provides increased extrusion production.

Contains UV-resistant additives that allow for the maintenance of mechanical properties in products exposed to the environment.



Multifilaments



A comprehensive portfolio with a wide range of fluidity indices and different molecular weight distributions (MWD), covering the most varied performance and processability needs in the market.

Typical Properties	Melt Index* (g/10min/230°C/2,16kg)	Molecular Weight Distribution
HP 500D	0,8	Wide
H 603	1,5	Normal
H 503	3,5	Normal
H 301	10	Normal
H 216	18	Narrow
H 201	20	Normal
HP 550R	24	Normal
PF225GQ	22	Narrow
PF350GQ	35	Narrow

* Method ASTM D1238

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