



Vision Petlon Polymers  
A VISIONSCAPE COMPANY

# Thermoplastic Solutions for Steel Wire Coating Applications



The Beetle® range of nylon and PET based compounds are specifically formulated to cope with the rigorous demands of high speed extrusion coating of steel wires. With compounds available in custom coloured options as well as standard black and natural, the product range is targeted to meet your market's exacting needs.

Vision Petlon Polymers formulation technology can deliver superior adhesion performance, enhanced dye up-take for self colour applications together with improved environmentally sustainable product offerings for this market sector. With more than 40 years in a technology leading role in this specialist sector, together with an emphasis on superior

quality and excellent customer service makes Vision Petlon Polymers ideally positioned to become your partner of choice. Wherever you are in the world, Vision Petlon Polymers' global supply capability and proven local support can deliver existing and bespoke solutions tailored to meet your needs.



**Beetle**®



# Beetle® Solutions for Wire Coating

Vision Petlon Polymers is a leading supplier of innovative solutions to the steel wire coating sector. Highly tailored nylon and PET compounds are used to extrude coatings onto steel wires at high speeds. The Beetle® compounds are designed for continuous extrusion processes and offer significant benefits versus traditional wire coating materials and techniques -

- Greater consistency of quality
- Improved yield and lower costs
- Superior adhesion performance
- Better for the environment

The Vision Petlon Polymers Beetle® wire coating compounds are offered in a wide range of colours (including custom colours) enabling wire coaters to offer creative design opportunities to a diverse range of end markets -

- Textile / Garment - underwire, hook and eye
- Stationery - binding wire and paper clips
- Automotive - wiper assembly
- Construction and industrial applications



## Beetle® Products and Applications Areas

Our product offering is centred around two polymer technologies - *nylon 6 and PET*. Each technology provides its own unique advantages -

### PET Advantages -

- Low moisture absorption and consistency of performance profile.
- Higher temperature for more demanding applications

### Nylon Advantages -

- Water based dye compatibility
- Improved ductility allowing intricate wire forms

### WA (nylon based)

100 Series	100	Natural for self colouring
200 Series	200	Coloured
300 Series	320	Enhanced dye uptake
	330	Highly UV stabilised

### WE (polyester Based)

100 Series	100	Natural for self colouring
200 Series	200	Coloured
300 Series	300	High ductility
	310	High ductility, high temperature performance
400 Series	400	Sustainable source
	410	Oxydegradeable
	420	Sustainable source & oxydegradeable



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### Who we are

Vision Petlon Polymers Limited's Engineering Thermoplastic Division is a leading compounder and polymer recovery company specialising in nylon 6, nylon 66, PET and PBT with global supply capability and proven local support. Whether it's an existing product or a bespoke compound, specifically tailored to your requirements, Vision Petlon Polymers can deliver solutions for your needs.

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