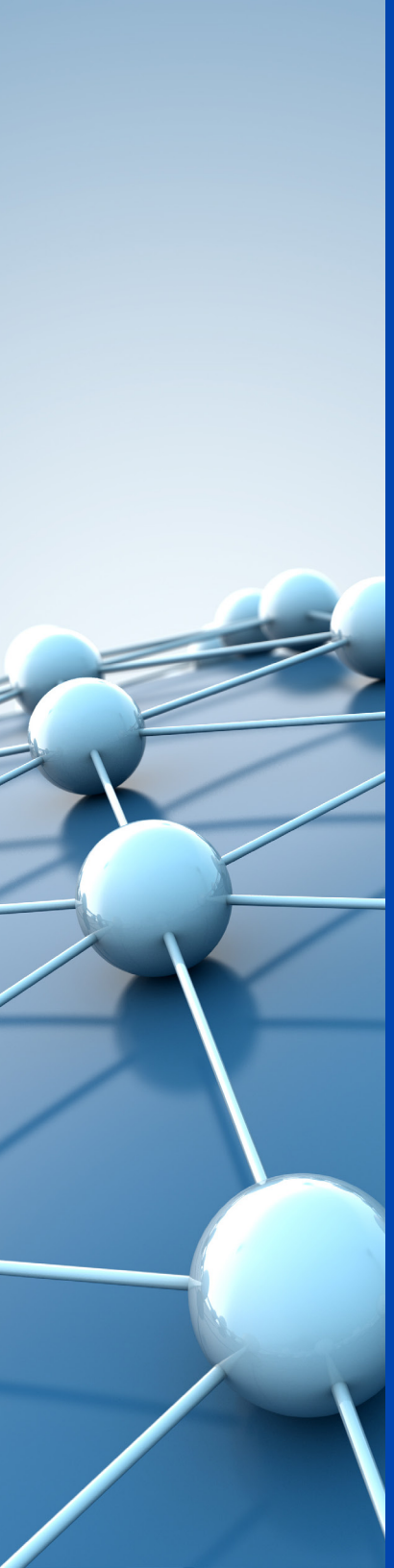


Ravago
MANUFACTURING

# SCOLEFIN®

# SCOLEFIN®

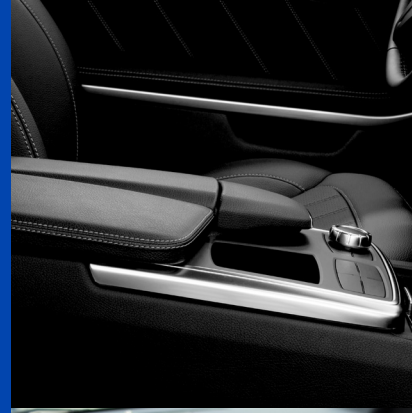
SCOLEFIN® PP Compounds is designed with the best combination of PP base polymers and a wide variety of different advanced stabilizations and fillers using unique know-how on compounding technologies.

With Ravago's experience and expertise on plastic solutions, this brand of prime quality materials can serve many different applications independent of colors, specifications and needs.

Wide portfolio of many different characteristics, SCOLEFIN® is the prime PP compound that will fulfill all customers' needs.

Prime SCOLEFIN® PP compounds provide:

- Excellent Surface Finish
- UV Resistance
- Low Odor & Fogging
- Easy Flow
- Scratch Resistance Compounds
- Optimized Mechanical Properties
- Long Term Thermal Stability
- Color Matched On Request



# SCOLEFIN® General Purpose - Product Portfolio

| Grade Name | Product Description | Density | MFI | Ash Content | Flexural Modulus | Tensile Modulus | Tensile Stress at Yield | Izod Impact Strengh Charpy Notched | | VICAT B50 (50N) | HDT/A (1,82 MPa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | [ g / cm³ ] | 230° / 2,16 Kg [ g / 10min ] | 625° C [ % ] | [ MPa ] | [ MPa ] | [ MPa ] | 23°C [ kJ / m² ] | 23°C [ kJ / m² ] | °C | °C |
| | | ISO 1183 | ISO 1133 | ISO 3451 | ISO 178 | ISO 527 | ISO 527 | ISO 179 / 1eA | ISO 180 / 1A | ISO 306 | ISO 75A |
| General Purpose | | | | | | | | | | | |
| 53 G 25 | PP copolymer based. Glass fibre 30%, medium-high impact / stiffness balance. Natural or Black, UV stabilized for exteriors, building and construction applications. | 1,12 | 15 | 30 | 5000 | 4700 | 55 | 25 | 24 | - | 135 |
| 12 T 20 | PP copolymer, fine white talcum filled, natural and aesthetic extrusion grade. Designed for profiles and plates. | 1,05 | 0,6 | 22 | 2500 | 2100 | 27 | 55 | 50 | 70 | - |
| 24 T 10 | PP homopolymer 40% talcum filled, basic stabilization. Extrusion profiles for self-coloring. | 1,24 | 2,5 | 40 | 3200 | 3300 | 32 | 3 | 4 | - | 58 |
| 24 T 20 | PP copolymer 40% fine white and aesthetic talcum. Easy self-coloring, extrusion profiles. | 1,24 | 1,5 | 40 | 2900 | 3500 | 25 | 5 | 6 | - | 65 |
| 51 T 10 | PP homopolymer 10% filled fine white talcum, aesthetic grade, basic stabilization, medium flow, easy to color, injection molding. | 0,97 | 23 | 10 | 2000 | 2300 | 35 | 2,5 | 3 | - | 55 |
| 31 G 23 | PP copolymer, impact modified, 15% glass fibre, aesthetic, easy to color, stress withering improved in natural. Suitable on other colors, injection molding. | 1,01 | 7 | 16 | 2800 | 3000 | 55 | 11 | 13 | - | 125 |
| 32 G 12 | PP homopolymer 20% glass fibre, natural or black. Designed for water contact applications, injection molding. | 1,03 | 3,5 | 20 | 3900 | 5100 | 70 | 10 | 10 | - | 140 |
| 33 G 12 | PP homopolymer 30% glass fibre, natural or black. Designed for water contact applications, injection molding. | 1,12 | 3 | 30 | 5500 | 7000 | 80 | 11 | 12 | - | 140 |

# SCOLEFIN® Automotive - Product Portfolio

| Grade Name | Product Description | Density | MFI | Ash Content | Flexural Modulus | Tensile Modulus | Tensile Stress at Yield | Izod Impact Strengh Charpy Notched | | VICAT B50 (50N) | HDT/A (1,82 MPa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | [ g / cm³ ] | 230° / 2,16 Kg [ g / 10min ] | 625° C [ % ] | [ MPa ] | [ MPa ] | [ MPa ] | 23°C [kJ / m²] | 23°C [kJ / m²] | °C | °C |
| | | ISO 1183 | ISO 1133 | ISO 3451 | ISO 178 | ISO 527 | ISO 527 | ISO 179 / 1eA | ISO 180 / 1A | ISO 306 | ISO 75A |
| Automotive | | | | | | | | | | | |
| 52 T 10 | PP Homopolymer, 20% talc filled, excellent balance in mechanical properties and heat stabilized, black. Suitable in other colors. | 1,05 | 12 | 20 | 2300 | 2700 | 30 | 3,5 | 3 | - | 55 |
| 54 T 10 | PP Homopolymer, 40% talc filled, excellent balance in mechanical properties and heat stabilized, black. Suitable in other colors. | 1,25 | 15 | 40 | - | 4000 | 30 | 2 | 2 | 94 | 89 |
| 33 G 10 | PP Homopolymer, 30% glass fibre reinforced, low melt flow, excellent mechanical strength, injection molding, high heat stabilized, black. | 1,12 | 4 | 30 | 5300 | 6400 | 80 | 10 | 12 | - | 140 |
| 52 G 13 | PP Homopolymer, 30% glass fibre reinforced, low melt flow, excellent mechanical strength, injection molding, high heat stabilized, black. | 1,05 | 16 | 20 | - | 5300 | 70 | 8 | 7 | - | 140 |
| 53 G 10 | PP Homopolymer, 30% glass fibre reinforced, medium melt flow, excellent for automotive applications, injection molding. | 1,12 | 15 | 30 | - | 7000 | 90 | 8 | 10 | - | 145 |
| 53 G 13 | PP Homopolymer, 30% glass fibre reinforced, medium melt flow, heat stabilized, excellent impact/stiffness, injection molding. | 1,12 | 9 | 30 | 6000 | 6100 | 90 | 10 | 9 | - | 145 |
| 34 G 10 | PP Homopolymer, 40% glass fibre reinforced, low melt flow, excellent mechanical characteristics, injection molding. | 1,2 | 3 | 40 | - | 8500 | 90 | 13 | 14 | - | 140 |
| 35 G 10 | PP Homopolymer, 50% glass fibre reinforced, low melt flow, excellent mechanical characteristics, injection molding. | 1,33 | 5 | 50 | 10000 | 13000 | 115 | 10 | 12 | - | 148 |
| 36 G 10 | PP Homopolymer, 60% glass fibre reinforced, low melt flow, excellent mechanical characteristics, injection molding. | 1,47 | 5 | 60 | 13000 | 15000 | 100 | 8 | 9 | - | 150 |
| 53 G 23 | PP Copolymer, 30% glass fibre reinforced, high melt flow, heat stabilized, excellent impact/stiffness balance, aesthetic, injection molding. | 1,12 | 20 | 30 | 4700 | 5100 | 57 | 22 | 20 | 85 | 130 |

# SCOLEFIN® PP Compounds

These compounds offer the end user a broad range of solutions via a wide product portfolio that includes:

- Unfilled black, colored and natural grades
- Talc or CaCO3 filled (5-70%) black/natural
- Glass fibre reinforced (5-50%) black
- Combined filling
- Elastomer Modified
- UV and heat stabilized
- MFI range from 1.5 to 40 g/10min
- Tailor made compounds

The extended knowledge of Ravago in compounding makes the SCOLEFIN® PP the best solution for a wide variety of applications. The combination of additives gives to the SCOLEFIN® great characteristics that can be applied to:

**AUTOMOTIVE**

- Cowl Vent Grill / Water Deflector
- Wheel Arch Liner
- Filter Housing
- Under Body Parts
- Battery Trays
- Headlight Housing
- Bumper Mount
- Inlet Manifold
- Toolbox

**NON AUTOMOTIVE**

- Garden Furniture
- Artificial Wood Profiles
- White Goods Parts
- Parts of Appliances

# Compounding Solutions for Polymer Challenges

Ravago Manufacturing produces a wide range of plastic and rubber materials from high performance engineered resins to recycled post-consumer materials. Our goal is to provide consistent, high quality, competitively priced products to our customers and partners.

The Ravago Group is the number one service provider in the global market of plastics, rubber and chemicals.

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