
Portfolio





Ravago Manufacturing: polymer solutions for almost every need

PP Compounds

With 22 manufacturing facilities located across North-America, Europe, Asia and Turkey, we provide solution-based technology effectively covering the entire world.

The expertise of the scrap sorting team of Ravago assures that the selection of the industrial materials used as raw materials are of high quality, with the stability and the specifications that make the Mafill® PP grades very reliable products.

Utilising prime and high quality recycled PP; long term testing has validated the best ration of feedstock to achieve the ideal property/price balance in our Ravaplen® PP grades. Scolefin® is the prime PP compound that will fulfil all customers' needs, utilising only prime raw materials with the best combination of PP base and a wide variety of different stabilisations.

Thermoplastic elastomers

Thermoplastic Elastomers, recyclable synthetic rubber group, is manufactured at Ravago with Ensoft® and Sconablend® (styrene copolymer-based TPE), Enflex® and Ezprene® (EPDM-based TPE) brands. Speciality grades are marketed as Ravatech® and Ravalight®.

With production locations in Turkey, Germany, US, China, and soon India, 50 countries in 5 continents are served thanks to Ravago Distribution Channel and strategic alliances all around the world & a state of the art R&D set-up. Thermoplastic Polyurethane is produced in Turkey under the brand name Ravathane®.

TPE and TPU products are favoured in a number of industries due to their soft tissue and impermeability characteristics, particularly in the automotive and construction sectors as well as in white goods, electrical / electronic, shoe soles and sporting goods industries.

Engineering plastics

Ravago Manufacturing provides consistent, high quality, competitively engineering plastic with a unique combination of properties to our customer applications, requiring higher performance in the areas of heat resistance, chemical resistance, impact, fire retardancy or mechanical strength.

With our focused portfolio, including products such as Ravamid®, Mablex®, Sicoflex®, Sicoklar®, we will cover all of our customer requirements for a broad range of applications.

- Engineering Plastic capacity : 40,000 MT
- Capillary service on the market
- Wide grade portfolio availability over 300 grades
- Color development center over 5000 colors
- Tailored grades according to customer needs cost/performance
- Full portfolio for prime and IQ



PP COMPOUNDS

	MAFILL®	RAVAPLEN®	SCOLEFIN®
Quality	IQ	ECO	PP
PP natural	•		•
PP black / dark	•	•	•
PP colored	•	•	•
Processability			
Injection moulding	•	•	•
Extrusion	•	•	•
High flow	•		•
Rotomoulding	•		•
Reinforcement			
Talcum	10-50%	10-20%	5-40%
Calcium carbonate	20-70%		5-80%
Glass bends			20%
Glass fibre	10-50%	20-30%	10-50%
High mineral filled	> 60%		> 60%
Additives			
Heat aging	•	•	•
Detergent resistance			•
UV	•	•	•
Roofing, exterior UV		•	•
Flame retardend + halogen free			V0/UV
Conductive / resistivity		>10 ⁴	>10 ³
Automotive features			
Light weight			•
Scratch resistance	•	•	•
Good surface + haptics		•	•
Low odour	•	•	•
Low emission + fogging	•	•	•
Impact modified	•	•	•
Low thermal expansion			•



THERMOPLASTIC ELASTOMERS



Hardness range
Density range
100% Modulus range
300% Modulus range
Tensile strength at Break range
Elongation at Break range
Tear Strength range

ENSOFT-S® & SCONABLEND®

SEBS family
5 Shore A to 60 Shore D
0,9 - 1,18
0,4 - 7,5
0,9 - 9,3
3 - 15
550 - 800
17 - 70

ENSOFT-T®

SBS family
15 Shore A to 40 Shore D
0,9 - 1,51
0,2 - 8,6
0,5 - 9,4
1,15 - 12
130 - 700
7 - 110

ENFLEX® & EZPRENE®

TPV
45 Shore A to 60 Shore D
0,93 - 0,98
1,1 - 15,1
2,5 - 15,7
4,2 - 26
490 - 800
21 - 137

Typical values for standard grades with different hardnesses, for general reference info only.

Our compounds can be used in a wide range of applications; Automotive, Appliance and Houseware, Construction, Electricity & Electronics, Health & Care, Sports & Leisure, Shoe Soles, Tactile Markers, Castor Wheels, Delineators, Wire & Cables, Timing Belts and Animal Identification Tags.

Speciality compounds can be adjusted accordingly customer requirements; adhesion improvement, high temperature resistance, high transparency, low compression set at high temperature improved abrasion and scratch resistance, flammability, low fogging, oil resistance, etc.

Approvals for CSTB, RAL GZ-716/1, UL, Kiwa.

RAVATHANE®

Hardness range
Density range
100% Modulus range
300% Modulus range
Tensile strength at Break range
Elongation at Break range
Tear Strength range
Abrasion Resistance

TPU - Adipate ester based
60 Shore A to 70 Shore D
1,14 - 1,22
2 - 35
4 - 40
30 - 40
300 - 1300
70 - 300
20 - 40

TPU - Special Adipate ester based
65 Shore A to 55 Shore D
1,19-1,22
2 - 17
5 - 30
20 - 55
600 - 1000
70 - 200
20 - 50

TPU - Polyether based
80 shore A to 70 shore D
1,10-1,18
4 - 30
6 - 35
32 - 42
500 - 1000
80 - 250
20 - 40



ENGINEERING PLASTICS



	MABLEX®	POLYFAST®	SICOBLEND®	RAVAMID®	SICOFLEX®	SICOKLAR®
Compound	PC/ABS	ASA - PC/ASA	PA/ABS	PA 6 - PA 6.6	ABS	PC
Quality	IQ/Prime	Prime	Prime	IQ/Prime	IQ/Prime	IQ/Prime
Natural	No (IQ) Yes (Prime)	•	•	Yes (IQ) Yes (Prime)	No (IQ) Yes (Prime)	No (IQ) Yes (Prime)
Black / dark	Yes (IQ) Yes (Prime)	•	•	Yes (IQ) Yes (Prime)	Yes (IQ) Yes (Prime)	Yes (IQ) Yes (Prime)
Colored	No (IQ) Yes (Prime)	•	•	Only grey (IQ) Yes (Prime)	No (IQ) Yes (Prime)	Only grey (IQ) Yes (Prime)
Processability						
Injection moulding	•	•	•	•	•	•
Extrusion						
High flow	No (IQ) Yes (Prime)	•	•		No (IQ) Yes (Prime)	•
Reinforcement						
Glass bends				•		
Glass fibre	10-30%	8-20%	8-20%	10-50%	10-30%	10-30%
Additives						
Heat aging	•	•	•	•	•	•
UV	•	•	•	•	•	•
Roofing, exteriour UV		•				
Flame retardend + halogen free	• (UL) BR&CL free				• (UL) Brominated	• (not UL listed) Brominated
Automotive features						
Light weight				•		
Scratch resistance	•	•				
Low emission + fogging	•					
Impact modified	•		•	•	•	

Our services

Highest Product Quality

Expertise in Technology

Scale Benefit Network

Flexibility

Tailor-Made Solutions

Strategic Partnership

After-Sales Service



Ravago Manufacturing

Ravago Manufacturing's activities have always been a core competence for the Ravago Group. Recycling & Compounding is the largest activity. Compounding can be defined as enhancement of polymer properties by addition of extra ingredients, such as glass fiber, talc, stabilizers, colors and other additives, during the extrusion process. We provide a sustainable service to the entire industry by collecting, sorting and recycling polymer waste streams at our manufacturing plants.

Our tolling activity is an integral part of the same philosophy of providing service to external partners. With a large capacity in terms of process technology, our toll compounding services allow you to take advantage of Ravago Manufacturing's engineering and experience with custom thermoplastics to handle material production and logistics for our customers.

More on www.ravagomanufacturing.com

Global presence



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