



MAFILL®  
mineral filled

Ravago presents

# MAFILL®

one of its pure industrial quality brands

MAFILL® CR PP Industrial Quality Compounds is designed with best in class post-industrial PP processed base polymers.

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

A perfect combination of price and quality, MAFILL® PP grades are highly recommended for a wide variety of applications like automotive and industrial parts.

MAFILL® PP compounds provide:



High end specifications



UV resistance



Long term thermal stability



Cost effective



# MAFILL<sup>®</sup> mineral filled - product portfolio

Grade name	Product description	Density	MFI
		[ g / cm <sup>3</sup> ]	230° / 2,16 Kg [ g / 10min ]
		ISO 1183	ISO 1133
PP mineral filled			
CR CM 6144	PP Copolymer, Black, MFI 12, 10% mineral filled, industrial quality grade with excellent characteristics, injection moulding	0,98	12
CR CME 5144	PP Copolymer, industrial quality grade, Black, MFI 12, 10% mineral filled with elastomer addition, excellent impact performance, injection moulding	0,96	12
CR CME 5144 S	PP Copolymer, industrial quality grade, Black, MFI 12, 10% mineral filled with elastomer addition, excellent impact performance, injection moulding	0,97	11
CR CT 5344	PP Copolymer, industrial quality grade, Black, MFI 11, 20% talc filled, high stability, injection moulding	1,1	11
CR CT 5344 H	PP Copolymer, industrial quality grade, Black, MFI 11, 20% talc filled, high stability, heat stabilised, injection moulding	1,05	11
CR CT 5644 H	PP Copolymer, industrial quality grade, Black, MFI 11, 40% talc filled, high stability, heat stabilised, injection moulding	1,25	11
CR CT 6344 H	PP Copolymer, industrial quality grade, Black, MFI 16, 20% talc filled, high stability, heat stabilised, injection moulding	1,05	16
CR HT 5344 H	PP Homopolymer, industrial quality grade, Black, MFI 12, 20% talc filled, heat stabilised, excellent characteristics, injection moulding	1,08	12
CR CTE 5344	PP Copolymer, industrial quality grade, Black, MFI 9, 20% talc filled, reinforced with elastomer, injection moulding	1,02	9
CR CTE 6344 HI	PP Copolymer, industrial quality grade, Black, MFI 12, 20% talc filled, reinforced with elastomer, excellent stiffness/impact balance, injection moulding	1,05	12
CR XT 4344	PP Copolymer, industrial quality grade, Black, MFI 8, 20% talc filled, high stability, injection moulding	1,05	8
CR CT 5544 H	PP Copolymer, industrial quality grade, Black, MFI 11, 30% talc filled, high stability, heat stabilised, injection moulding	1,15	10

Ash Content	Flexural modulus	Tensile modulus	Tensile stress at yield	Izod Impact Strength Charpy notched		VICAT B50 (50N)	HDT/A (1,82 MPa)	HDT/B (0,46 MPa)
625° C [ % ]	[ MPa ]	[ MPa ]	[ MPa ]	23°C [ kJ / m² ]	23°C [ kJ / m² ]	°C	°C	°C
ISO 3451	ISO 178	ISO 527	ISO 527	ISO 179 / 1eA	ISO 180 / 1A	ISO 306	ISO 75A	ISO 75B

10	1100	1100	24	8	8	67	52	-
10	1000	900	20	20	23	-	-	-
10	1100	1000	18	24	25	60	53	-
22	1900	1800	23	6	7	66	58	97
22	1900	1800	23	6	7	66	58	-
41	3500	2400	22	5	5	70	65	-
22	2100	1800	24	8	9	65	56	-
20	2600	2300	28	2,5	3	87	62	109
22	1600	1300	22	8	10	57	53	-
20	1400	1100	24	27	30	-	-	-
20	1900	2100	21	4,5	5	-	-	-
30	2200	2250	22	6	7	-	58	114

## High quality recycled Compounds

MAFILL® PP compounds form just part of an extensive portfolio of high quality recycled plastics compounds from Ravago. Ravago has been manufacturing recycled compounds for over 50 years and it is this experience that allows converters and end users to have the confidence to specify our products. The portfolio consists of the following brands:

RAVAPLEN®	ECO PP	SICOKLAR®	PC
RAVAMID®	PA6, PA66	SICOSTIROLO®	PS
MABLEX®	PC / ABS	RAVALENE®	PE
SICOFLEX®	ABS	RAVAFLEX®	Synthetic rubber

## MAFILL PP® recycled compounds

MAFILL® recycled PP compounds offer the end user a broad range of solutions via a wide product portfolio that includes:

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

The quality control of raw material feedstock used for MAFILL® PP recycled compounds is a critical part of the manufacturing operation. Feedstock is fully tested and classified before the compounding operation. This allows the correct quality of feedstock to be allocated to the final product. Each MAFILL® PP recycled compound lot that is produced is shipped with a certificate of analysis.

High quality recycled PP compounds MAFILL® is recommended mainly for demanding and nonvisual applications including:

AUTOMOTIVE	Cowl vent grill / water deflector	NON AUTOMOTIVE	Garden furniture
	Wheel arch liner		Artificial wood profiles
	Filter housing		White goods parts
	Under body parts		Parts of appliances
	Battery trays		
	Headlight housing		
	Bumper mount		
	Inlet manifold		
	Toolbox		



The Ravago Group is a leading international supplier of plastics and rubber to customers and end-users in almost every corner of the world. In 1961, long before plastics recycling became fashionable, Ravago pioneered the reprocessing of industrial plastic waste and its conversion into a new raw material source.

Ravago Group is active in the compounding, distribution, recycling and resale of plastics and rubber. Today, with more than 55 years of market presence, Ravago ranks as one of Europe's oldest and most prominent plastic enterprises.

Whilst high quality recycled polymers have been finding their way into non visual automotive applications for some time, visual parts have been always produced from prime polymers.



[www.ravagomanufacturing.com](http://www.ravagomanufacturing.com)

