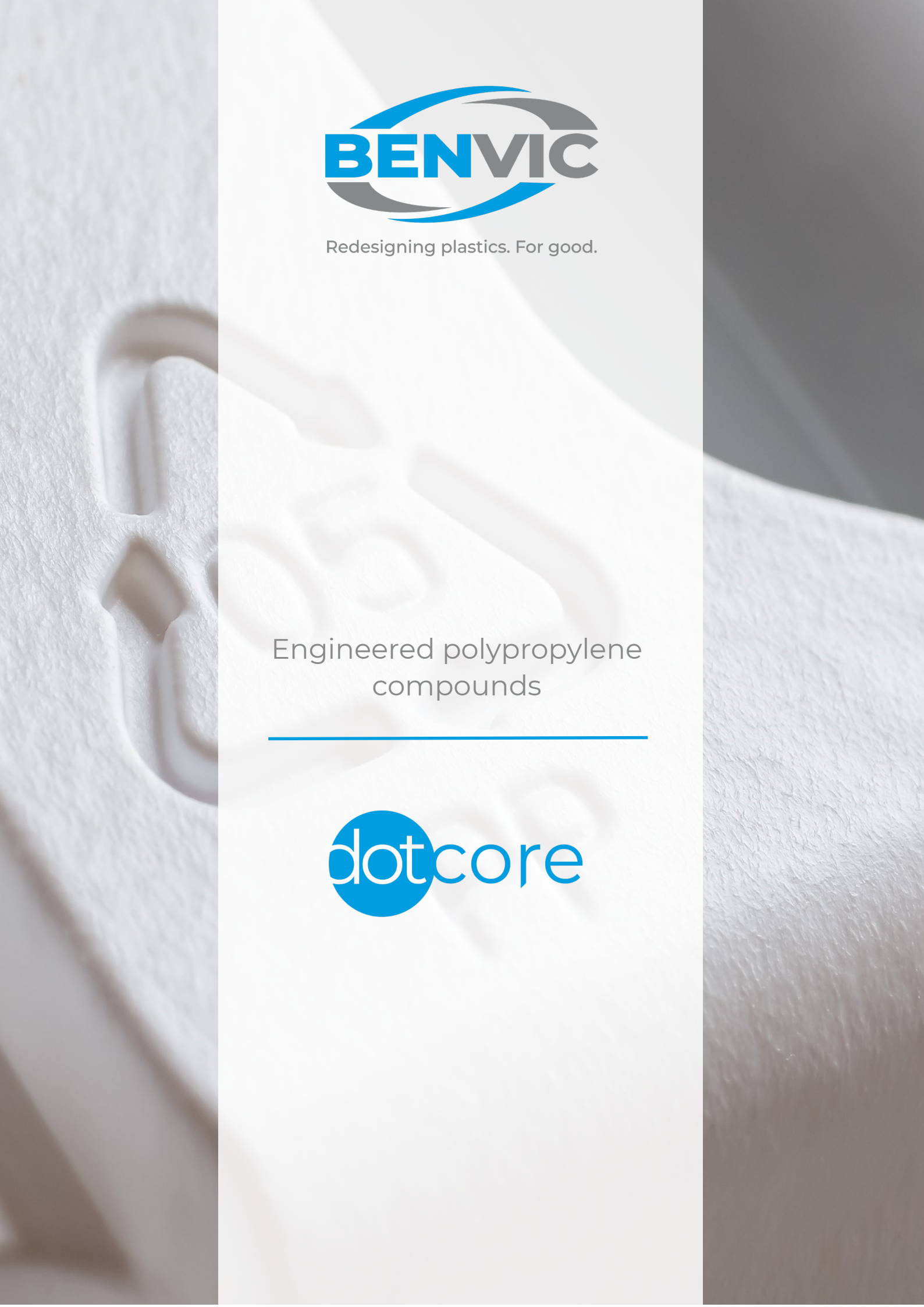


BENVIC

Redesigning plastics. For good.

Engineered polypropylene compounds

dotcore

TAILORED MADE POLYPROPYLENE

Polymer compounding is the essence of adapting various materials for particular applications and environments.

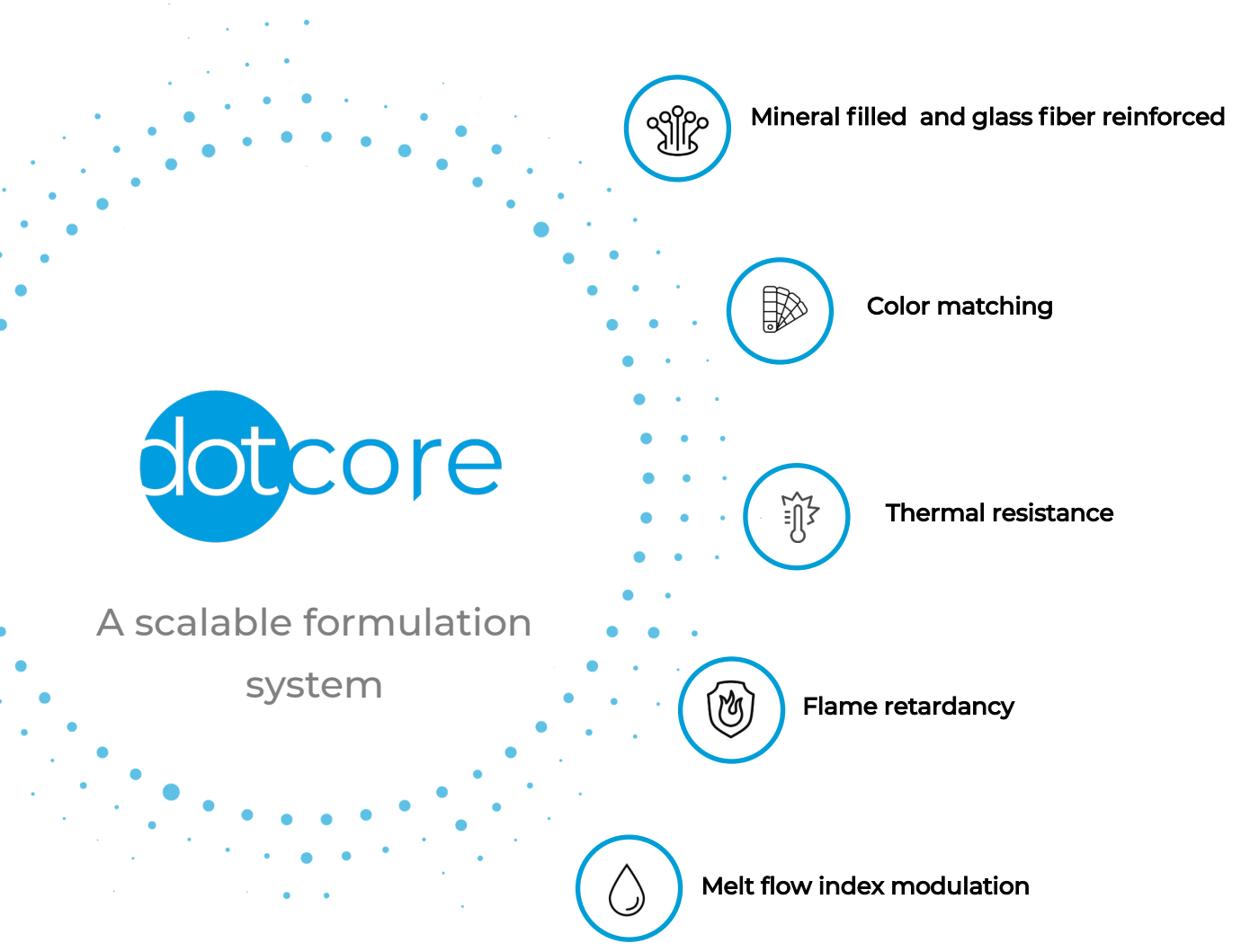
The skills of the compounder are always key in bringing new products to market.

Benvic - Europe's leading compounder since 1963 - has over sixty years of experience balancing cost, performance and innovation for its PVC-based compounds.

And Benvic now brings the same successful technology to its new range of polypropylene compounds, DotCore PP.

Benvic's DotCore PP compounds serve the market demand for the excellent cost / performance ratio that is offered by polypropylene. The materials are currently enjoying great demand - with ever more customisation for particular products and applications.

Requesting these bespoke material features is becoming more and more frequent. The key issue then is finding the right solution with the right compounder. Benvic answers that call with DotCore-based PP technology; generating precise and scalable formulations for optimum outcomes.



DOTCORE PP - GLASS FIBER REINFORCED

Catalogue P/N	*Type*	*Process*	*Density [g/cm3]*	*Modulus [Mpa]*	*Tensile Strength [Mpa]*	*Melt Flow index 230°C/2.16kg*
PP C20 00 GF 2	Co-polymer 20% GF reinforced	Injection	1.04	3600	60	9
PP C30 00 GF 2	Co-polymer 30% GF reinforced	Injection	1.12	6000	75	7
PP H10 00 GF 3	Homopolymer 10% GF reinforced	Injection	0.97	2900	50	15
PP H15 00 GF 3	Homopolymer 15% GF reinforced	Injection	1.00	3800	60	12
PP H20 00 GF 1	Homopolymer 20% GF reinforced	Extrusion Injection	1.04	4500	72	3.5
PP H22 00 GFT 1	Homopolymer 20% GF / Talc	Injection	1.04	3800	55	5
PP H25 00 GF 2	Homopolymer 25% GF reinforced	Injection	1.08	5500	76	6
PP H30 00 GF 1	Homopolymer 30% GF reinforced	Extrusion Injection	1.12	6700	85	3
PP H30 00 GF 3	Homopolymer 30% GF reinforced	Injection	1.12	7000	90	13
PP H32 00 GFT 1	Homopolymer 30% GF / Talc	Injection	1.13	5000	75	5
PP H35 00 GF 1	Homopolymer 35% GF reinforced	Injection	1.18	7900	92	3
PP H50 00 GF 1	Homopolymer 50% GF reinforced	Injection	1.32	11000	108	3
PP H 30 00 GF 1 FR V0 HF	Homopolymer 30% GF reinforced flame retardant	Injection	1.35	8000	78	4

Benvic has also developed a specific Dot-R range for engineered thermoplastic compounds that is based on recycled material. The product family Dot-R PP offers alternatives to virgin material without any compromise in quality or performance. Please ask to your nearest sales representative for more information

DOTCORE PP - MINERAL FILLED

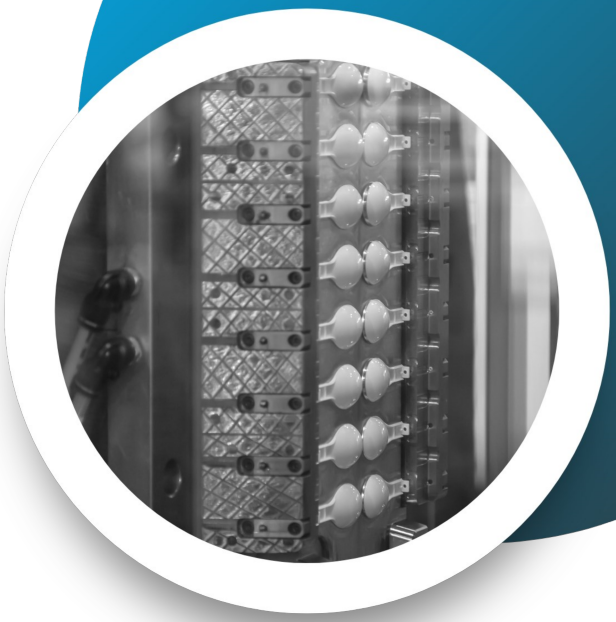
Catalogue P/N	*Type*	*Process*	*Density [g/cm3]*	*Modulus [Mpa]*	*Tensile Strength [Mpa]*	*Melt Flow index 230° C/2.16kg*
PP C20 00 TR 1	Co-polymer 20% talc filled	Extrusion Injection	1.05	2800	32	2.5
PP C20 00 TR 2	Co-polymer 20% talc filled	Injection	1.04	2000	24	8
PP C25 00 TR 3	Co-polymer 25% talc filled	Injection	1.1	2200	23	18
PP H20 00 C 2	Homopolymer 20% CC filled	Injection	1.04	2000	26	10
PP H20 92 TR 3 V2	Homopolymer 20% CC filled FR	Injection	1.01	2200	30	36
PP H25 92 TR 1	Homopolymer 25 % talc filled	Extrusion Injection	1.09	3200	32	2.5
PP H30 00 TR 1	Homopolymer 30 % talc filled	Extrusion Injection	1.15	3800	32	2.5
PP H30 00 TR 3	Homopolymer 30 % talc filled	Injection	1.15	3700	33	20
PP H40 00 CC 4	Homopolymer 40 % CC filled	Injection	1.24	2800	24	30
PP H40 00 TR 1	Homopolymer 40 % talc filled	Extrusion Injection	1.27	4800	31	2.7
PP C40 92 CC 1	Co-polymer 40% CC filled	Extrusion Injection	1.21	1900	20	2.7
PP H22 92 T HT 3	Homopolymer 22% talc filled HT	Injection	1.05	2600	30	15

How to order*

P	P						
	Type	**Filler amount in %**	**Color code**	**Filler type**	**MFI**	**Extra**
	H Homopolymer **C** Copolymer		**00** Natural **12** White **24** Yellow **34** Orange **44** Red **54** Brown **64** Green **74** Blue **84** Purple **92** Black	**TC** Talc/CC **TR** Talc rigid **CC** calcium carbonate **GF** Glass fiber **GFT** Glass fiber - Talc	**1** 1-5 g/10mn **2** 5-11 g/10mn **3** 11-25 g/10mn **4** >25 g/10mn	**HT** Thermal resistance **FR** Self extinguishing **UV** UV stabilization **NF** No fogging **D** Detergent resistant **AS** Antistatic

***Nota**: Depending options offered, all configurations are not available. Please consults your closest BENVIC sales representative for checking product availability.

APPLICATIONS



APPLIANCES

Structural, aesthetical and electrical parts

BUILDING

Concrete reinforcement, fixation, junction and locking accessories, panels, slabs, flooring, grilles

FURNITURE

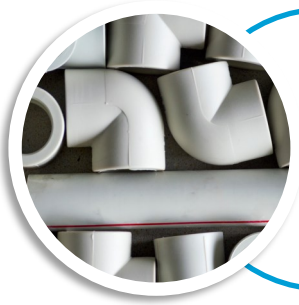
Tables, cabinets, chairs, profiles

AUTOMOTIVE

Exterior, interior and under the bonnet parts

ELECTRICAL ELECTRONICS

Pipes, junction parts, derivation , wall boxes



FLUID MANAGEMENT

Pipe, tubes, fittings, valves, accessories

BENVIC

Redesigning plastics. For good.

www.benvic.com

ISO 9001 ISO 14001 ISO 50001 ISO 45001 ISO 13485 GOLD 2023 ecovadis Sustainability Rating

BENVIC IS POWERED BY GREEN ENERGY