

MARFRAN

ELASTOMERS. WITH PASSION

TPO COMPOUNDS





## MARFRAN® AND IRFRAN® A WORLD OF POSSIBILITIES

### SEBS based TPO:

**MARFRAN® Shore D** compounds obtained by mixing various types of polyolefin thermoplastics with the SEBS elastomer. Polyolefin thermoplastic compounds modified with SEBS block copolymer characterized by high modulus, excellent age and low temperature resistance.

**IRFRAN® shore D** compounds with outstanding impact strength. Polyolefin thermoplastic compounds characterized by high impact strength at a very low temperature, extremely low weight.





## SPORTS & LEISURE

Ski boots, ice skates, fins, cycling accessories, diving masks and swimming goggles.



## TOOLS

Power tools, household tools, brushes, cable guides, hoses, pipes.



## HOUSEHOLD

Households items, rug parts, power tools, household tools, brushes, pipes, electrical applications.

- We ensure declarations of suitability for products: REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals)
- Directives 2002/95/CE (ROHS), 2002/96/CE (RAFF) and 2000/53/CE (ELV).
- Appropriate and timely care solutions.
- Complete interface for technical, commercial and logistical aspects.
- Most recent ISO 9001/UNI EN ISO 9001:2015 quality management certifications and ISO 13485:2016 and the rules of Good Manufacturing Practices.
- Technical organization of the laboratory and highly qualified personnel.
- Master and sample department capable of rapidly reprocessing every catalogued material.

## GOALS

- High impact strength especially at very low temperature.
- Low energy consumption (lower processing and tool temperature).
- Impact resistance modulation.
- High mechanical modulus.
- Fast cooling (advantage of crystalline vs. amorphous plastics).
- Lower specific gravity.
- No pre drying process (low humidity sensitivity).
- Fully recyclable.
- Timely compliance Environmental, Protection and Safety regulations.



## MARFRAN® GRADES OVERVIEW

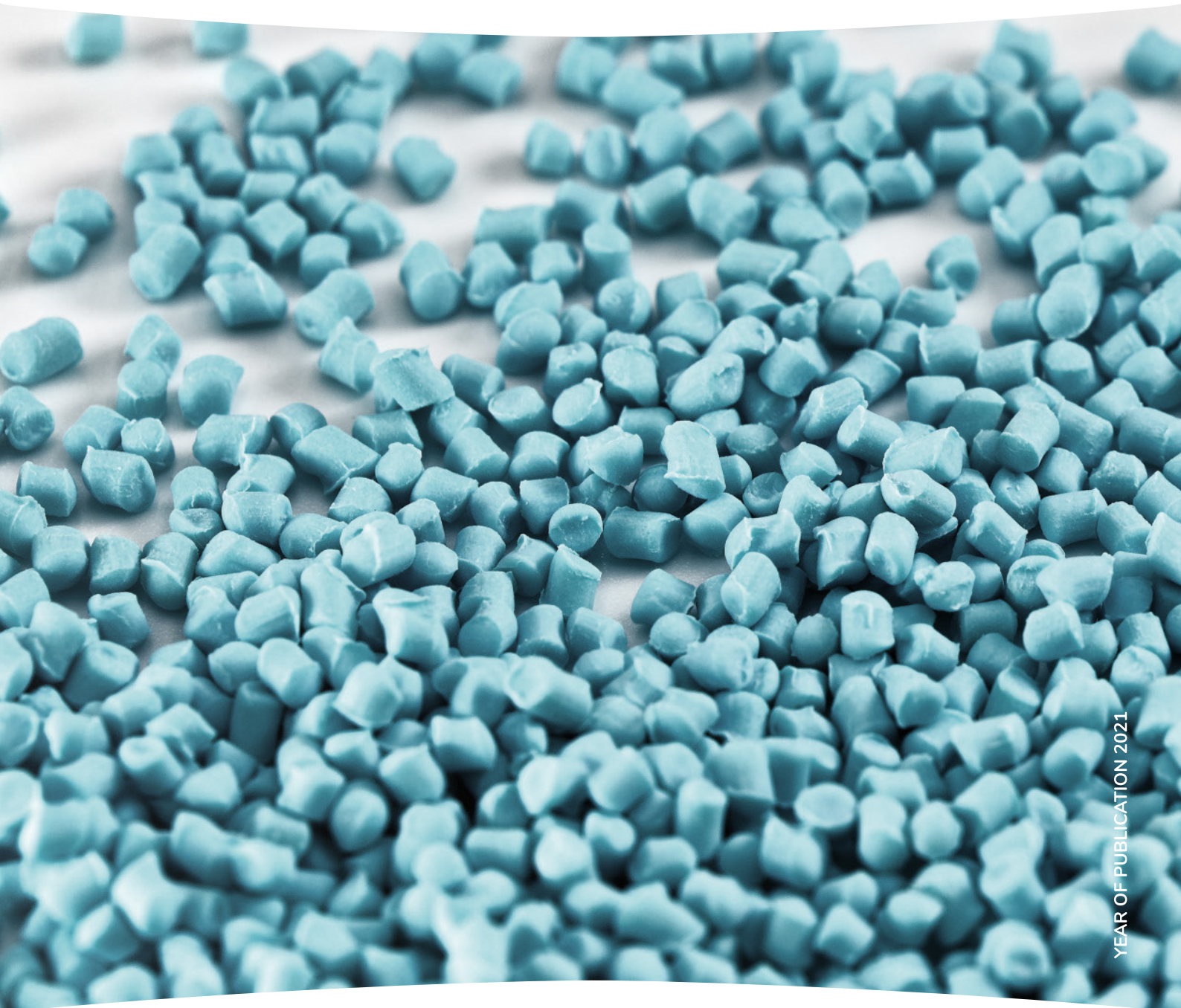
GRADE	Aspect	Hardness ShD	Flexural modulus (Mpa)	Density (g/cm³)	Tensile Strength (Mpa)	Elongation at break (%)	Tear strength (N/mm)	Injection Moulding	Extrusion
MARFRAN® 2000	milky	30-63	60-600	0.89	15.0-28.0	800-600	70.0-145.0	X	
MARFRAN® DT	milky	43-53	170-350	0.89	18.0-22.0	850-800	78.0-100.0	X	
MARFRAN® KP 010	transparent oil free	33-62	90-600	0.89	14.0-20.0	750-700	65.0-105.0	X	
MARFRAN® KPE 010	transparent	33-62	90-600	0.89	14.0-20.0	750-700	65.0-105.0		X
MARFRAN® KP3	transparent	35-62	90-500	0.89	16.0-22.0	800-700	80.0-111.5	X	
MARFRAN® LR	matt	35-60	150-450	0.96	8.0-15.0	650-600	52.0-88.0	X	

## IRFRAN® GRADES OVERVIEW

GRADE	Aspect	Hardness ShD	Flexural modulus (Mpa)	Density (g/cm³)	Tensile Strength (Mpa)	Elongation at break (%)	Tear strength (N/mm)	Injection Moulding	Extrusion
IRFRAN®	matt	52-55	330-550	0.89	18-23	700	105-125	X	







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