



Our Know-how – Your Advantage

- More sustainable TPE material
- Recycling content up to 79% based on PCR raw materials
- Hardness range from 30-90 ShA
- Wide range of coloring possibilities
- Adhesion to unpolar Thermoplastics e.g. PP
- Very good flowability
- REACH, RoHS conformity
- Meets requirement of EN71-3
- PAH-free
- Reliable quality and availability

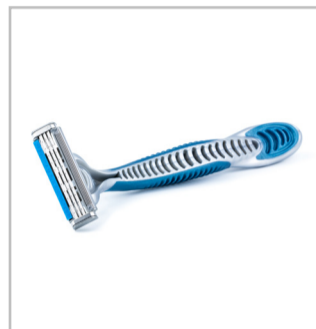
Eugen Andert

Project leader

With our second generation of Universal PCR TPEs, we are continuing our sustainable product strategy: We've combined our experience from the previous product generation with customer requirements, resulting in our second generation of recycling-based non-polar TPEs with a very high PCR content of up to 79% in natural colors.

Typical Applications

- Grip applications
- Soft Touch
- Function and design elements
- Razors
- Toys
- Sports and leisure applications
- Caps and closures
- Fasteners



Technical Data

RC/PCR2 Series		RC30GD-NTRL	RC50GD-NTRL	RC90GD-NTRL
Recycling Content	%	70	71	79
Color		Natural	Natural	Natural
Hardness	ShA	30	50	90
Density	g/cm ³	0.860	0.870	0.880
Tensile Strength	MPa	5.0	5.0	5.0
Elongation at Break	%	600	550	450
Tear Resistance	N/mm	8.0	10.0	22.0
Flow Spiral	cm	124	118	94

TALK TO OUR EXPERTS!

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Our Know-how – Your Advantage

- More sustainable TPE material
- Recycling contents up to 60% based on a combination of PIR and PCR materials
- Hardness range from 40–80 ShA
- Wide range of coloring possibilities
- Adhesion to Polyamides like PA6, PA 6.6
- Very good flowability
- US FDA CFR 21 (raw material conformity)
- REACH, RoHS conformity
- PAH-free
- Reliable quality and availability

Eugen Andert

Project leader

“We are excited to launch the first TPEs with recycling content in combination with adhesion to Polyamides. These more sustainable TPEs can be used for a wide range of Consumer and Industry applications, enabling us at the same time to close recycling loops and to continue our steps towards a more sustainable future.”

Typical Applications

- Grip applications
- Soft Touch
- Function and design elements
- Overmolded housings
- Fasteners



Technical Data

RC/AD/PA Series		RR4NGD-NTRL	RR5NGD-NTRL	RR8NGD-NTRL
Recycling Content	%	60	58	49
Color		Natural	Natural	Natural
Hardness	ShA	40	50	80
Density	g/cm ³	0.995	0.990	0.980
Tensile Strength	MPa	5.0	6.5	9.0
Elongation at Break	%	700	700	700
Tear Resistance	N/mm	10.0	12.0	22.0
Adhesion to PA 6	N/mm	4.1 (D)	5.2 (D)	8.7 (D)
Adhesion to PA 6.6	N/mm	4.2 (D)	5.2 (D)	7.8 (D)

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Our Know-how – Your Advantage

- More sustainable TPE
- Recycling contents up to 54% based on a combination of PIR and PCR materials
- Hardness range from 40–70 ShA
- Wide range of coloring possibilities
- Adhesion to polar Thermoplastics e.g. ABS, PC, PC/ABS
- Very good flowability
- REACH, RoHS conformity
- Meets requirements of EN71-3
- PAH-free
- Reliable quality and availability

Eugen Andert

Project leader

“With our new recycling-based RC/AD1 series, we are contributing to achieving our ambitious sustainability goals whilst fulfilling the high demands for a technical product at the same time.

Sustainability is one of our core competencies at KRAIBURG TPE. We close recycling loops with innovative products and thus live up to our responsibility towards the environment and future generations.”

Typical Applications

- Grip applications
- Function and design elements
- Soft Touch
- Toys
- Overmolded housings
- Fasteners



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Technical Data

RC/AD1-Reihe		RR4PGD-NTRL	RR6PGD-NTRL	RR7PGD-NTRL
Recycling Content	%	54	47	42
Color		Natural	Natural	Natural
Hardness	ShA	40	60	70
Density	g/cm ³	1.100	1.150	1.150
Tensile Strength	MPa	2.0	4.0	4.0
Elongation at Break	%	450	450	450
Tear Resistance	N/mm	7.0	12.0	15.0
Adhesion to ABS	N/mm	2.1 (B/D)	4.8 (D)	6.1 (D)
Adhesion to PC	N/mm	1.6 (A)	5.0 (D)	6.2 (D)

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