Product information

Brand Name	Product Code	Series
THERMOLAST® R	RC4OGD-NTRL	RC/PCR2

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Please note that, as compound manufacturer, we are generally not aware of the subsequent area of application and the associated interactions with other product components, as well as any resulting safety risks, unless you discuss this with us in advance. For this reason, the use of this compound in safety-relevant applications is not permitted without our prior written consent.

Recycling Content TPE with PP adhesion; PCR content

Processing Method
Injection Molding

Manufacturing Site
Germany

Color / RAL DESIGN
natural

Availability
Globally

Biobased raw material content
0%

Recycled raw materials content**
70%

Typical applications
- Soft touch
- Function and design elements
- Razors
- Toys
- Sports and leisure applications
- Protection caps
- Fasteners

Material advantages
- Adhesion to PP
- Recycled raw material content
- Sustainable material
- Reduced PCF compared to virgin compound
- In-process recycling possible
- Recyclable in post-consumer waste stream
- Recycling-specific raw material influences are possible
- Colorable

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

Datasheet

Brand Name	Product Code	Series
THERMOLAST® R	RC4OGD-NTRL	RC/PCR2

Product properties	Value	Unit	Standard
Hardness	40	Shore A	DIN ISO 48-4
Density	0.860	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	5.0	MPa	DIN 53504/ISO 37
Elongation at Break[1]	750	%	DIN 53504/ISO 37
Tear Resistance	9.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)
Adhesion to PP[2]	3.4 (D)	N/mm	DIN ISO 813-2
Long term temperature stability without stress from -40°C up to	70	°C	KRAIBURG TPE test method

[1]Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
[2]The adhesion quality depends on mold design, product geometry and process parameters.
All values published in this data sheet are rounded average values.
** Recycling-specific influences such as slight color deviations, gloss differences, viscosity variations or a higher hardness spreading are possible with TPEs containing a recycled component.

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The shelf life of the TPE granules is 24 months from delivery if storage instructions are observed and the product is stored in the unopened original KRAIBURG TPE packaging. Store in dry conditions at room temperature (below 40 °C) away from heat sources and direct sunlight! Contact with nitrogen oxides must be avoided during storage!

For further information and individual custom solutions please contact our customer service.

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