Product information

Brand Name	Product Code	Series
THERMOLAST® R	RC90GM-BLCK	RC/PCR/AP

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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.

Hardness-dependent post-consumer recycled content; universal applications; adhesion to PP; for the Asia Pacific market

Processing Method
Injection Molding

Color / RAL DESIGN
black

Manufacturing Site
Malaysia

Availability
Globally

Recycled raw materials content**
48%

Typical applications
- Grommets
- Function and design elements
- Handles (hand tools and power tools etc.)
- Grip applications
- Connectors
- Cable clips
- Electric and electronic components

Material advantages
- Adhesion to PP
- Alternative material to EPDM and PVC-P
- Thermoplastic alternative to elastomers
- Optimized mechanical properties
- Non-sticky surface
- Temperature stability up to 80 °C
- Sustainable material
- Recycled raw material content

Regulations / Approvals
- GRS certified compound

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

Datasheet

Brand Name	Product Code	Series
THERMOLAST® R	RC90GM-BLCK	RC/PCR/AP

Product properties	Value	Unit	Standard
Hardness	90	Shore A	DIN ISO 48-4
Density	0.990	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	10.0	MPa	DIN 53504/ISO 37
Elongation at Break[1]	650	%	DIN 53504/ISO 37
Tear Resistance	47.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)

[1]Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
All values published in this data sheet are rounded average values.
* Regulations a compound complies with and approvals granted are displayed here. Please note: All regulations and approvals for all compounds of a series are collectively shown in the overview of the respective product series, i.e. not all regulations and approvals shown in the overview apply to each individual compound.
** 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.

WALDKRAIBURG - GERMANY
KRAIBURG TPE GMBH & CO. KG
info@kraiburg-tpe.com
+49 8638 9810-0

SELANGOR / KUALA LUMPUR - MALAYSIA
KRAIBURG TPE TECHNOLOGY (M) SDN.BHD.
info-asia@kraiburg-tpe.com
+60 3 9545 6393

BUFORD, GA - UNITED STATES
KRAIBURG TPE CORPORATION
info-america@kraiburg-tpe.com
+1 678 584-5020

WhatsApp Support
+49 172 8533045