Product information

Brand Name
THERMOLAST® K

Product Code
TC5SCR-BLCK

The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication and may be subject to revision from time to time as new knowledge and data becomes known to us. All stated values are typical values observed by us based on limited sample test results and are not a product specification. The responsibility to conduct testing to determine (i) suitability of use for a particular process or end-use applications, (ii) associated interactions with other product components, and (iii) any resulting safety risks remains with the customer and end user.

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.

Applications with scratch resistance requirements

Processing Method
Injection Molding

Color / RAL DESIGN
black

Typical applications
- Car mats
- Charging mats
- Console roll cover
- Door pull handles
- Decorative elements
- Glove boxes

Material advantages
- Scratch resistance
- Surface mapping
- Adhesion to PP
- Colorable
- Controlled level of emission and odor, suitable for automotive interior

Regulations / Approvals
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 1262

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!

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Datasheet

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Product properties	Value	Unit	Standard
Hardness	50	Shore A	DIN ISO 48-4
Density	0.910	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	14.0	MPa	DIN 53504/ISO 37
Elongation at Break[1]	720	%	DIN 53504/ISO 37
Tear Resistance	10.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)
Flow Spiral [760 bar, 200 °C]	38	cm	DSOP Lab 2032
Flammability	54.0	mm/min	49 CFR §571.302 (FMVSS 302)
Odor	3.0		VDA 270 B-3
Fogging	0.39	mg	DIN 75201-B
Thermal desorption – VOC	159	µg/g	VDA 278
Thermal desorption – Fog	471	µg/g	VDA 278
Color fastness[2]	4.5	GS	DIN EN ISO 105-B06 Method 3

[1]Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
[2]Rating after 5 cycles; acc. to DIN EN 20105-A02
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.

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

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