

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 of Consumer daily life with food contact requirements; adhesion to polar thermoplastics, e.g. PC, ABS and PETG

Processing Method

Injection Molding

Color / RAL DESIGN

natural

Manufacturing Site

Germany, Malaysia, United States

Availability

Globally

Typical applications

- Seals
- Function and design elements
- Grip applications
- Household articles
- Razors
- Toys
- Packaging (for food and care products)
- Toothbrushes

Material advantages

- Adhesion to PC, ABS, PC/ABS, ASA, SAN
- Adhesion to PET and PETG
- Soft, velvety feel
- Halogen-free (according to IEC 61249-2-21)
- Colorable
- In-process recycling possible
- Soft touch surface
- Optimized flow properties
- ISCC PLUS ready (mass balance approach)

Regulations / Approvals

- Regulation (EU) No 10/2011
- US FDA CFR 21 (raw material conformity)
- EN71-3

Product properties	Value	Unit	Standard
Hardness	39	Shore A	DIN ISO 48-4
Density	1.100	g/cm ³	DIN EN ISO 1183-1
Tensile Strength¹	2.5	MPa	DIN 53504/ISO 37
Elongation at Break¹	650	%	DIN 53504/ISO 37
Tear Resistance	10.5	N/mm	ISO 34-1 Method B (b) (Graves)
Adhesion to ABS²	2.3 (A)	N/mm	VDI 2019 two-component injection molding
Adhesion to PC²	2.1 (A)	N/mm	VDI 2019 two-component injection molding

¹Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.

²The adhesion quality depends on mold design, product geometry and process parameters.

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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The expected shelf life of the TPE granules is a minimum of 24 months from the date of delivery, provided that the storage instructions are followed and the product is kept in the unopened original KRAIBURG TPE packaging.

Dry conditions at room temperature (below 40 °C/ 104 °F), away from heat sources and direct sunlight, must be maintained for proper storage. Contact with nitrogen oxides during storage should be avoided.

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

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