Product information

Brand Name	Product Code	Series
COPEC®	CC80CZ	VS/AD1

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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.

Applications in the consumer electronics sector; adhesion to polar thermoplastics such as ABS, PC and PC/ABS

Processing Method
Injection Molding

Manufacturing Site
Germany, Malaysia, United States

Color / RAL DESIGN
black

Availability
Globally

Typical applications
- Seals
- Remote controls
- Ear phones
- Handles and grips for consumer applications
- Handles (tools and power tools, etc.)
- Games consoles
- Attenuators for electronic housings
- Cell phone covers
- Wearables

Material advantages
- Soft touch surface
- Soft, velvety feel
- Adhesion to PC, ABS, PC/ABS, ASA, SAN
- Insert molding possible
- Resistance to skin oils, sunscreen or olive oil
- Color consistency
- Colorable

Regulations / Approvals
- DIN 75201-B - Fogging
- VDA 270 B3 - Odor
- 49 CFR §571.302 (FMVSS 302)
- DIN EN ISO 105-B06 Methode 3
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 1262
- PSA B62 0300
- UL 94 HB

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

Datasheet

Brand Name	Product Code	Series
COPEC®	CC80CZ	VS/AD1

Product properties	Value	Unit	Standard
Hardness	77	Shore A	DIN ISO 48-4
Density	1.310	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	9.5	MPa	DIN 53504/ISO 37
Elongation at Break[1]	1000	%	DIN 53504/ISO 37
Tear Resistance	39.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)
CS 72 h/23 °C	33	%	DIN ISO 815-1 Method A
CS 24 h/70 °C	52	%	DIN ISO 815-1 Method A
Adhesion to ABS[2]	12.0 (D)	N/mm	DIN ISO 813-2
Adhesion to PC[2]	11.0 (D)	N/mm	DIN ISO 813-2

[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.
Please note: Frozen stresses in Polycarbonate (PC) may cause stress cracking in 2-component applications with PC and COPEC®.
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 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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