

**COPEC® CC80CZ (Series: VS/AD1)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

The VS/AD1 series is your material solution for consumer electronics applications. It is characterized by a silky and velvety surface. The compounds convince by their adhesion to polar thermoplastics such as ABS, PC or PC/ABS. They are available in black and natural. Naturally colored variants can be coloured in many different ways.

**Typical applications**

- Seals
- Remote controls
- Ear phones
- Handles and grips for consumer applications
- Handles (hand 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 5562
- Stellantis B62 0300
- UL 94 HB

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Latin America	• North America
	• Europe		
Features	• Good Adhesion	• Oil Resistant	
	• Good Colorability	• Soft	
Uses	• Consumer Applications	• Flexible Grips	• Protective Coverings
	• Electrical Housing	• Handles	• Seals
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042	• STELLANTIS B62 0300	
	• MERCEDES BENZ DBL 5562	• VOLKSWAGEN 50123	
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm <sup>3</sup>	ISO 1183

**Elastomers**
**Nominal Value Unit**
**Test Method**


Tensile Stress <sup>2</sup> (Break)	1380 psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	1000 %	ISO 37
Tear Strength <sup>3</sup>	223 lbf/in	ISO 34-1
Compression Set <sup>4</sup>		ISO 815
73°F, 72 hr	33 %	
158°F, 24 hr	52 %	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>
Shore Hardness (Shore A)	77	ISO 48-4
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>
Flame Rating	HB	UL 94
<b>Additional Information</b>	<b>Nominal Value</b>	<b>Unit</b>
Adhesion to ABS - (D) <sup>5</sup>	69 lbf/in	VDI 2019
Adhesion to PC - (D) <sup>5</sup>	63 lbf/in	VDI 2019

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Method A

<sup>5</sup> Two-component injection molding

