

COPEC® CC7OCN (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 • Europe	• Latin America • North America	
Features	• Good Adhesion • Good Colorability	• Oil Resistant • Soft	
Uses	• Consumer Applications • Electrical Housing	• Flexible Grips • Handles	• Protective Coverings • Seals
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042 • MERCEDES BENZ DBL 5562	• STELLANTIS B62 0300 • VOLKSWAGEN 50123	
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183

Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress ² (Break)	1380	psi	ISO 37
Tensile Elongation ² (Break)	1000	%	ISO 37
Tear Strength ³	194	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	35	%	
158°F, 24 hr	51	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	69		ISO 48-4
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS - (D) ⁵	47	lbf/in	VDI 2019
Adhesion to PC - (D) ⁵	47	lbf/in	VDI 2019

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² Type S2, 7.9 in/min
- ³ Method Bb, Angle (Nicked)
- ⁴ Method A
- ⁵ Two-component injection molding

