COPEC® CC6OCN (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	1.26	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**

Tensile Stress [2] (Break)	1090	psi	ISO 37
Tensile Elongation [2] (Break)	1000	%	ISO 37
Tear Strength [3]	154	lbf/in	ISO 34-1
Compression Set [4]			ISO 815
73°F, 72 hr	35	%	
158°F, 24 hr	47	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	60		ISO 48-4
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Adhesion to ABS - (A) [5]	26	lbf/in	VDI 2019
Adhesion to PC - (B) [5]	37	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