

COPEC® CC7OCN (Series: VS/AD1)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The VS/AD1 Series is your material solution for applications in the consumer electronics section. The compounds feature an exceptionally silky and velvety surface, accompanied by excellent adhesion properties to polar thermoplastics such as ABS, PC and PC/ABS.

Typical applications

Ear phones

Game consoles

Handles and grips for consumer applications

Remote controls

Seals

Material advantages

Easy coloring (compounds in natural colors)

Excellent color stability

Good weathering resistance

Insert molding possible

Pleasant surface feel (Soft touch)

Resistance against skin oil, sunscreens and olive oil

Smooth and silky surface

UL 94 HB listed

General Information			
UL YellowCard	E214822-101550670		
Features	Good Adhesion		
	Good Color Stability		
	Good Colorability		
	Good Weather Resistance		
	Oil Resistant		
	Soft		
Uses	Consumer Applications		
	Electrical/Electronic Applications		
	Handles		
	Seals		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	67		ISO 7619
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress ¹ (Yield)	6.50	MPa	ISO 37
Tensile Elongation ² (Break)	1000	%	ISO 37
Tear Strength ³	28	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	15	%	
70°C, 24 hr	51	%	
100°C, 24 hr	70	%	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS	20.0	kN/m	Renault D41/1916
Adhesion to PC	30.0	kN/m	Renault D41/1916
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	200	°C	
Die Temperature	220	°C	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method Bb, Angle (Nicked)		
4.	Method A		

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