

COPEC® CC6FDN (Series: VS/MR/AD1)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The VS/MR/AD1 Series is your material solution for applications in the consumer electronics section. The series features an exceptionally silky and velvety surface, accompanied by an outstanding resistance to skin oil, sun cream and olive oil. The compounds convince due to their excellent adhesion 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

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

General Information			
Features	Good color stability		
	Good coloring		
	Good adhesion		
	Good weather resistance		
	Oil resistance		
	Soft		
Uses	Handle		
	Electrical/Electronic Applications		
	Seals		
	Consumer goods application field		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	67		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	8.50	MPa	ISO 37
Tensile Elongation ² (Break)	800	%	ISO 37
Tear Strength	23	kN/m	ISO 34-1

Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS	25.0	kN/m	Renault D41/1916
Adhesion to PC	23.0	kN/m	Renault D41/1916
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	160	°C	
Middle Temperature	180	°C	
Front Temperature	200	°C	
Mold Temperature	40.0 - 60.0	°C	
Injection Pressure	20.0 - 100	MPa	
Back Pressure	2.00 - 5.00	MPa	

Injection instructions

Hot Runner Temperature: 180 - 220°C The runner should be empty after a maximum of 2 - 3 shots.

NOTE

1. Type S2, 200 mm/min
2. Type S2, 200 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

