

For-Tec E OC7OAZ (Series: AD/PAX/CR)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The AD/PAX/CR Series is your material solution for two-component-seals in electronic applications and soft-touch grips and handles of machine tools. The material provides an excellent resistance to skin oils, suncream, olive oil and acetone, accompanied by outstanding adhesion properties to semi-aromatic polyamids and polyarylamids such as PA 12, PA 6 und PA 6.6. The series is available in natural and black colors.

Typical applications

Attenuators for electronic housings

Connectors

Handles (Powertool)

Seals

Seals for computer and laptopscreens

Seals for housings

Material advantages

Easy coloring (compounds in natural colors)

Excellent adhesion to semi-aromatic Polyamides (PAX), Polyarylamids (PARA), Polyamides like PA 12, PA 6 and PA 6.6

Excellent mechanical properties

Resistance against skin oils, sunscreens, olive oil and acetone

UL 94 HB listed

General Information			
Features	Good adhesion		
	Oil resistance		
Uses	Handle		
	Electrical/Electronic Applications		
	Electrical housing		
	Power/other tools		
	Connector		
	Seals		
	Soft handle		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	69		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Break)	6.50	MPa	ISO 37
Tensile Elongation ² (Break)	700	%	ISO 37
Tear Strength ³	30	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	29	%	ISO 815

70°C, 24 hr	60	%	ISO 815
120°C, 24 hr	73	%	ISO 815
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PARA	7.0	kN/m	Renault D41/1916
Adhesion to PAX	30.0	kN/m	Renault D41/1916
Injection	Nominal Value	Unit	
Drying Temperature	60 - 80	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	180	°C	
Middle Temperature	210	°C	
Front Temperature	240	°C	
Mold Temperature	60 - 80	°C	
Injection Pressure	20.0 - 100	MPa	
Back Pressure	2.00 - 10.0	MPa	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method B, right-angle specimen (cut)		
4.	Method A		

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