

## For-Tec E OC6OAZ (Series: AD/PAX/CR)

KRAIBURG TPE - *Thermoplastic Elastomer*

### General Information

#### Product Description

Applications with requirements for chemical resistance and velvet touch; adhesion to PA, PAX and PARA

#### Typical applications

- Function and design elements
- Soft touch for grips, switches and mats
- Wearables
- Ear phones

#### Material advantages

- Adhesion to partially aromatic polyamides (PAX) and polyarylamides (PARA)
- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Adhesion to PA12
- Resistance to skin oils, sunscreen or olive oil
- Colorable
- Non-sticky surface

#### Regulations / Approvals

- UL 94 HB

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Colorability	• Oil Resistant
Uses	• Automotive Bumper	• Soft Touch Applications	• Switches
Appearance	• Black		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Break)	798	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	700	%	ISO 37
Tear Strength <sup>3</sup>	114	lbf/in	ISO 34-1
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 PARA <sup>4</sup>	29	lbf/in	VDI 2019

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Two-component injection molding

