

For-Tec E OC8OAZ (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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion	• Good Colorability • Oil Resistant	• Soft
Uses	• Flexible Grips	• Switches	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	1090	psi	ISO 37
Tensile Elongation ² (Break)	850	%	ISO 37
Tear Strength ³	200	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	79		ISO 48-4
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PARA ⁴	49	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 Two-component injection molding

