For-Tec E OC7OAN (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	• Natural Color		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Break)	943	psi	ISO 37
Tensile Elongation [2] (Break)	850	%	ISO 37
Tear Strength [3]	168	lbf/in	ISO 34-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	70		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]	37	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