

**THERMOLAST® K TP4CDZ (Series: EX)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

The EX series is your material solution for indoor extrusion applications. The compounds are available in black and natural colors. Natural color variants can be colored in many different ways.

**Typical applications**

- Profiles for furniture
- Edge guards
- Seals for doors
- Distance profiles

**Material advantages**

- Adhesion to PP
- Halogen-free (according to IEC 61249-2-21)
- Resistance to acrylic paints
- Weldable (Infrared & Mirror)
- Alternative material to PVC-P
- In-process recycling possible
- No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA)

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Latin America	• North America
Features	• Good Adhesion	• Recyclable Material	
	• Halogen Free	• Weldable	
Uses	• Furniture	• Profiles	• Seals
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Break)	508	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	720	%	ISO 37
Tear Strength <sup>3</sup>	94.2	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	15	%	
158°F, 24 hr	60	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	41		ISO 48-4

**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> Method A

