

THERMOLAST® K TP5CDZ (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 ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	508	psi	ISO 37
Tensile Elongation ² (Break)	700	%	ISO 37
Tear Strength ³	97.1	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	20	%	
158°F, 24 hr	60	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	52		ISO 48-4

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 Method A

