

# THERMOLAST® K TP5CDE (Series: EX)

Thermoplastic Elastomer

KRAIBURG TPE

## Message:

The EX Series is your material solution for extrusion applications such as door seals and window gaskets. The compounds are available in natural and black colors.

Typical applications

Edge guards

Profiles for furniture

Seals for windows and doors

Material advantages

Alternative material to PVC-P

Easy coloring (compounds in natural colors)

Easy to extrude

Excellent mechanical properties

Excellent weldability

Halogen-free

No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA)

Recyclable

Resistant to acrylic paints

General Information			
Features	Good Colorability		
	Halogen Free		
	Recyclable Material		
	Weldable		
Uses	Furniture		
	Gaskets		
	Profiles		
	Seals		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	5.10	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	730	%	ISO 37
Tear Strength <sup>3</sup>	20	kN/m	ISO 34-1
Compression Set <sup>4</sup>			ISO 815

-25°C, 24 hr	60	%
23°C, 72 hr	10	%
70°C, 24 hr	35	%
Extrusion	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Cylinder Zone 1 Temp.	140	°C
Cylinder Zone 2 Temp.	150	°C
Cylinder Zone 3 Temp.	160	°C
Die Temperature	180 to 190	°C
NOTE		
1.	Type S2, 200 mm/min	
2.	Type S2, 200 mm/min	
3.	Method Bb, Angle (Nicked)	
4.	Method A	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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