

THERMOLAST® K TP8LDZ (Series: UV/LD/b)

Thermoplastic Elastomer
KRAIBURG TPE

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Technical Data

Product Description

The UV/LD/b Series is your material solution for applications requiring high UV resistance. It is particularly appropriate for automotive exterior.

Typical applications

- Cowls gaskets
- Roof rims
- Water deflectors
- Window encapsulations

Material advantages

- Excellent heat resistance
- Excellent mechanical properties
- Perfect adhesion to PP
- Perfect surface finish
- Tested according PV3930 for outdoor use

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• KRAIBURG TPE • THERMOLAST® K		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • High Heat Resistance	• Outstanding Surface Finish • UV Resistant	
Uses	• Automotive Exterior Parts	• Gaskets	
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.970 g/cm ³	0.970 g/cm ³	ISO 1183

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress ³ (Yield)	1960 psi	13.5 MPa	ISO 37
Tensile Elongation ³ (Break)	750 %	750 %	ISO 37
Tear Strength ⁴	160 lbf/in	28 kN/m	ISO 34-1
Compression Set ⁵			ISO 815
73°F (23°C), 72 hr	31 %	31 %	
158°F (70°C), 24 hr	44 %	44 %	
212°F (100°C), 24 hr	61 %	61 %	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	79	79	ISO 7619

Extrusion	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	140 to 176 °F	60.0 to 80.0 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Cylinder Zone 1 Temp.	320 °F	160 °C
Cylinder Zone 2 Temp.	356 °F	180 °C
Cylinder Zone 3 Temp.	392 °F	200 °C
Die Temperature	392 to 446 °F	200 to 230 °C



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Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Type S2, 7.9 in/min (200 mm/min)

⁴ Method Bb, Angle (Nicked)

⁵ Method A



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Where to Buy

Supplier

KRAIBURG TPE

Duluth, GA USA

Telephone: 678-584-5020

Web: <http://www.kraiburgtpe.com/>

Distributor

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here:

<http://www.chaseplastics.com/contact/locations>

Telephone: 800-232-4273

Web: <http://www.chaseplastics.com/>

Availability: North America

Resin Resource, Inc.

Telephone: 877-652-3431

Web: <http://www.resinresourceinc.com/>

Availability: North America

