

THERMOLAST® K TP5LDZ (Series: UV/LD/b)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

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 Information			
UL YellowCard	E353857-102092462	E214822-102092453	
Features	Good Adhesion		
	Good UV Resistance		
	High Heat Resistance		
	Outstanding Surface Finish		
Uses	Automotive Exterior Parts		
	Gaskets		
Appearance	Black		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	52		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	8.50	MPa	ISO 37
Tensile Elongation ² (Break)	800	%	ISO 37
Tear Strength ³	14	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	22	%	
70°C, 24 hr	35	%	
100°C, 24 hr	49	%	
Extrusion	Nominal Value	Unit	

Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	200	°C
Die Temperature	200 to 230	°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

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