

THERMOLAST® K TC0LEZ (Series: UV/FG)
KRAIBURG TPE - Thermoplastic Elastomer
General Information
Product Description

The UV/FG series is your material solution for applications requiring UV resistance and adhesion to PP. The compounds are suitable for automotive exterior applications and available in black.

Typical applications

- Roof racks
- Water deflectors
- Cowls gaskets
- Active Grill Shutter (AGS)
- Air guide elements
- A/B/C/D cappings and covers
- Air intake duct and air filter
- Door opener
- Door trims
- Wheel arch liner
- Underbody guard

Material advantages

- Weather resistant, suitable for automotive exterior
- Adhesion to PP
- In-process recycling possible

Regulations / Approvals

- 49 CFR §571.302 (FMVSS 302)
- PV 3930 Florida (1 year)
- PV 3930 Florida (2 years)
- PV 3929 Kalahari (1 year)
- PV 3929 Kalahari (2 years)
- Outdoor Weathering Florida 24 month SAE J1976
- Outdoor Weathering Arizona 24 month SAE J1976
- VW 50123
- BMW GS 93042
- Daimler DBL 5562
- PSA B62 0300
- Renault 03-10-104
- GM GMW 16233

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Recyclable Material	
	• Good Weather Resistance	• UV Resistant	
Uses	• Automotive Exterior Parts	• Racks	
	• Gaskets	• Window & Door Components	
Automotive Specifications	• GM GMW16233	• STELLANTIS B62 0300	
	• MERCEDES BENZ DBL 5562	• VOLKSWAGEN 50123	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
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Density	0.980 g/cm ³	ISO 1183
Spiral Flow ²	17.7 in	
Elastomers	Nominal Value	Unit
Tensile Stress ³ (Yield)	2470	psi
Tensile Elongation ³ (Break)	600	%
Tear Strength ⁴	314	lbf/in
Compression Set ⁵		ISO 815
73°F, 72 hr	53	%
158°F, 24 hr	65	%
212°F, 24 hr	85	%
Hardness	Nominal Value	Unit
Shore Hardness (Shore D)	35	ISO 48-4

Notes

¹ Typical properties: these are not to be construed as specifications.

² Injection Pressure: 1.10E+4 psi

³ Type S2, 7.9 in/min

⁴ Method Bb, Angle (Nicked)

⁵ Method A

