

THERMOLAST® K TC3LEZ (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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Weather Resistance	• Recyclable Material • UV Resistant	
Uses	• Automotive Exterior Parts • Gaskets	• Racks • Window & Door Components	
Automotive Specifications	• GM GMW16233 • MERCEDES BENZ DBL 5562	• STELLANTIS B62 0300 • 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	43.3 in	
Elastomers	Nominal Value	Unit Test Method
Tensile Stress ³ (Yield)	1020 psi	ISO 37
Tensile Elongation ³ (Break)	850 %	ISO 37
Tear Strength ⁴	57.1 lbf/in	ISO 34-1
Compression Set ⁵		ISO 815
73°F, 72 hr	19 %	
158°F, 24 hr	34 %	
212°F, 24 hr	65 %	
Hardness	Nominal Value	Unit Test Method
Shore Hardness (Shore A)	32	ISO 48-4

Notes

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

² Injection Pressure: 1.02E+3 psi

³ Type S2, 7.9 in/min

⁴ Method Bb, Angle (Nicked)

⁵ Method A

