THERMOLAST® K TC7LEZ (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

Density	0.980	g/cm³	ISO 1183
Spiral Flow [2]	31.5	in	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [3] (Yield)	1450	psi	ISO 37
Tensile Elongation [3] (Break)	750	%	ISO 37
Tear Strength [4]	120	lbf/in	ISO 34-1
Compression Set [5]			ISO 815
73°F, 72 hr	35	%	
158°F, 24 hr	47	%	
212°F, 24 hr	74	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	71		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