

THERMOLAST® K TC6HFZ-998 (Series: UV/HF/SF)
KRAIBURG TPE - Thermoplastic Elastomer
General Information
Product Description

Applications with long flow paths as well as requirements for UV resistance and surface quality; adhesion to PP

Typical applications

- Static window encapsulations
- Water deflectors

Material advantages

- Adhesion to PP
- Weather resistant, suitable for automotive exterior

Regulations / Approvals

- 49 CFR §571.302 (FMVSS 302)
- PV 3930 Florida (2 years)
- PV 3929 Kalahari (2 years)
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Weather Resistance	• UV Resistant
Uses	• Automotive Exterior Parts		
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042	• FMVSS 302	• VOLKSWAGEN 50123
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Spiral Flow ^{2, 3}	43.3	in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ⁴ (Break)	798	psi	ISO 37
Tensile Elongation ⁴ (Break)	700	%	ISO 37
Tear Strength ⁵	91.4	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	60		ISO 48-4

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

² Melt Temperature: 392°F, Injection Pressure: 1.10E+4 psi

³ DSOP Lab 2032

⁴ Type S2, 7.9 in/min

⁵ Method Bb, Angle (Nicked)
