

THERMOLAST® K TC9HFZ (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

- Water deflectors
- Static window encapsulations
- Roof railing underlays
- Cowls gaskets
- Air guide elements

Material advantages

- Weather resistant, suitable for automotive exterior
- Optimized flow properties
- Surface mapping
- Adhesion to PP
- In-process recycling possible
- Low mold cavity pressure

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Good Adhesion • Good Flow • Good Weather Resistance • Recyclable Material • UV Resistant
Uses	• Automotive Exterior Parts • Gaskets
Agency Ratings	• DIN 75201B
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	1.00	g/cm ³	ISO 1183
Spiral Flow ^{2, 3}	31.5	in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ⁴ (Break)	1160	psi	ISO 37
Tensile Elongation ⁴ (Break)	500	%	ISO 37
Tear Strength ⁵	143	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	86		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)

