

THERMOLAST® K TC9ORW-BLCK (Series: RC/UV)
KRAIBURG TPE - Thermoplastic Elastomer
General Information
Product Description

The RC/UV series is your material solution with a post-industrial recycled content of 20-40% (hardness-dependent) for applications requiring UV resistance and adhesion to PP. The compounds are suitable for automotive exterior applications and are available in black.

Typical applications

- Automotive Exterior
- Applications for new mobility
- Underbody applications
- Cowls gaskets
- Water deflectors
- Air guide elements
- Active Grill Shutter (AGS)
- Covers

Material advantages

- Weather resistant, suitable for automotive exterior
- Adhesion to PP
- Low density
- Recycling-specific raw material influences are possible

Regulations / Approvals

- PV 3930 Florida (1 year)
- PV 3930 Florida (2 years)
- PV 3929 Kalahari (1 year)
- PV 3929 Kalahari (2 years)
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer, 40%
Features	• Good Adhesion • Low Density • Good Weather Resistance • Recyclable Material
Uses	• Automotive Exterior Parts • Protective Coverings • Gaskets • Seals
Automotive Specifications	• BMW GS 93042 • MERCEDES BENZ DBL 5562 • VOLKSWAGEN 50123
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Spiral Flow ²	23.6	in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ³ (Yield)	1160	psi	ISO 37
Tensile Elongation ³ (Break)	400	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	90		ISO 48-4



Notes

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

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

³ Type S2, 7.9 in/min

