

## THERMOLAST® K TC70RW-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 • Asia Pacific • Europe • Latin America • North America
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer, 24%
Features	• Good Adhesion • Good Weather Resistance • Low Density • Recyclable Material
Uses	• Automotive Exterior Parts • Gaskets • Protective Coverings • Seals
Automotive Specifications	• BMW GS 93042 • MERCEDES BENZ DBL 5562 • VOLKSWAGEN 50123
Appearance	• Black
Processing Method	• Injection Molding

#### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ISO 1183
Spiral Flow <sup>2</sup>	27.6	in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>3</sup> (Yield)	1600	psi	ISO 37
Tensile Elongation <sup>3</sup> (Break)	680	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	75		ISO 48-4

