

THERMOLAST® K TL50CW-BLCK (Series: LW/CS/UV)

KRAIBURG TPE - Thermoplastic Elastomer

General Information

Product Description

The LW/CS/UV Series is your lightweight material solution for applications with superior requirements on sealing performance. The compounds are especially suited for automotive exterior applications. They are available in black colors.

Typical applications

- Automotive Exterior
- Seals
- Glass Run Channel
- Seals for windows and doors
- Grommets
- Heavy-walled parts

Material advantages

- Low density
- Adhesion to PP
- Optimized compression set
- UV and weathering resistance
- Resilience
- Non-sticky surface
- In-process recycling possible
- Low shrinkage properties
- Low tendency to warpage

General

| | | | |
|-------------------|---|---|-------------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Good Adhesion • Good Compression Set • Good Weather Resistance • Low Density | • Low Shrinkage • Low Warpage • Non-sticky • Recyclable Material | • Resilient • UV Resistant |
| Uses | • Automotive Exterior Parts • Gaskets | • Grommets • Seals | • Thick-walled Parts |
| Appearance | • Black | | |
| Processing Method | • Extrusion | • Injection Molding | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 0.725 | g/cm ³ | ISO 1183 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ² (Yield) | 348 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 200 | % | ISO 37 |
| Tear Strength ³ | 51.4 | lbf/in | ISO 34-1 |
| Compression Set ⁴ | | | ISO 815 |
| 73°F, 72 hr | 9.0 | % | |
| 158°F, 24 hr | 18 | % | |
| 212°F, 24 hr | 38 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 55 | | ISO 48-4 |

