

THERMOLAST® K TC7HFZ (Series: UV/HF/SF)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The UV/HF/SF Series is your material solution for applications requiring high UV resistance, perfect surface finish and high flow ability. It is particularly appropriate for automotive exterior components.

Typical applications

Cowls gaskets

Roof rims

Water deflectors

Window encapsulations

Material advantages

Easy flowing

Excellent processing behavior

Perfect adhesion to PP

Perfect surface finish

Tested according PV3930 for outdoor use

| General Information | | | |
|---|---------------------------------|-------------------|-------------|
| Features | Good UV resistance | | |
| | Workability, good | | |
| | High liquidity | | |
| | Excellent appearance | | |
| Uses | Washer | | |
| | Application in Automobile Field | | |
| | Automotive exterior parts | | |
| Appearance | Black | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.02 | g/cm ³ | ISO 1183 |
| Spiral Flow | 100 | cm | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 72 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ (Break) | 5.00 | MPa | ISO 37 |
| Tensile Elongation ² (Break) | 550 | % | ISO 37 |
| Tear Strength ³ | 19 | kN/m | ISO 34-1 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 60 - 80 | °C | |
| Drying Time | 2.0 - 4.0 | hr | |
| Rear Temperature | 180 | °C | |
| Middle Temperature | 200 | °C | |

| | | |
|--------------------|-------------|-----|
| Front Temperature | 220 | °C |
| Mold Temperature | 25 - 40 | °C |
| Injection Pressure | 20.0 - 100 | MPa |
| Back Pressure | 2.00 - 10.0 | MPa |

| NOTE | | |
|------|--------------------------------------|--|
| 1. | Type S2, 200 mm/min | |
| 2. | Type S2, 200 mm/min | |
| 3. | Method B, right-angle specimen (cut) | |

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