

THERMOLAST® K TP5HPN (Series: EX/UV)

KRAIBURG TPE - Thermoplastic Elastomer

General Information

Product Description

The EX/UV series is your material solution for extrusion applications with increased requirements for UV resistance. The compounds are available in black, grey and natural colors. Natural color variants can be colored in many different ways. Some compounds of the series are approved according to RAL GZ 716 and/or CSTB QB36.

Typical applications

- Door and window seals for outdoor applications
- Distance profiles
- Edge guards

Material advantages

- UV and weathering resistance
- Adhesion to PP
- Halogen-free (according to IEC 61249-2-21)
- Resistance to acrylic paints
- Weldable (Infrared & Mirror)
- In-process recycling possible
- No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA)

Regulations / Approvals

- RAL-GZ 716/1
- CSTB/DER/BV-PEM

General

| | | | |
|-------------------|--|------------------------------------|------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Europe | • Latin America • North America | |
| Features | • Good Adhesion • Good Weather Resistance | • Halogen Free • UV Resistant | • Weldable |
| Uses | • Outdoor Applications | • Profiles | • Seals |
| Agency Ratings | • CSTB DER/BV-PEM | • RAL GZ 716/1 | |
| Appearance | • Natural Color | | |
| Processing Method | • Extrusion | • Injection Molding | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 1.13 | g/cm ³ | ISO 1183 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ² (Break) | 1090 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 750 | % | ISO 37 |
| Compression Set ³ | | | ISO 815 |
| 73°F, 72 hr | 15 | % | |
| 158°F, 24 hr | 30 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 48 | | ISO 48-4 |

Notes

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

² Type S2, 7.9 in/min

³ Method A

