

THERMOLAST® K TP5HPG (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	• Grey		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	1160	psi	ISO 37
Tensile Elongation ² (Break)	750	%	ISO 37
Compression Set ³			ISO 815
73°F, 72 hr	10	%	
158°F, 24 hr	52	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	50		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

