

THERMOLAST® A TC5MUZ (Series: UV/AD2)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The UV/AD2 series is your material solution for applications requiring UV resistance and adhesion to polar thermoplastics such as PC, ABS, PC/ABS, ASA and PMMA. It is particularly suitable for automotive exterior applications. The compounds are available in black.

Typical applications

- Roof rim covers
- Water deflectors
- Door sills
- Trunk openers
- Front triangles
- A/B/C/D cappings and covers
- Rear spoilers
- Brake lights
- Head lights

Material advantages

- Adhesion to PC, ABS, PC/ABS, ASA, SAN
- Surface mapping
- Weather resistant, suitable for automotive exterior

Regulations / Approvals

- PV 3930 Florida (1 year)
- PV 3930 Florida (2 years)
- PV 3929 Kalahari (1 year)
- PV 3929 Kalahari (2 years)
- Outdoor Weathering Florida 12 month SAE J1976
- Outdoor Weathering Florida 24 month SAE J1976
- Outdoor Weathering Arizona 12 month SAE J1976
- Outdoor Weathering Arizona 24 month SAE J1976
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- Renault 03-10-104
- GM GMW15702
- Rivian

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion	• Good Weather Resistance	• UV Resistant
Uses	• Automotive Exterior Parts • Automotive Lighting	• Automotive Window Encapsulation • Caps	• Protective Coverings
Automotive Specifications	• BMW GS 93042 • GM GMW15702	• MERCEDES BENZ DBL 5562 • VOLKSWAGEN 50123	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Spiral Flow ²	23.6	in	Internal Method



Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ³ (Break)	1160	psi	ISO 37
Tensile Elongation ³ (Break)	650	%	ISO 37
Tear Strength ⁴	97.1	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	55		ISO 48-4
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS - (C) ⁵	14	lbf/in	VDI 2019
Adhesion to ASA - (C) ⁵	14	lbf/in	VDI 2019
Adhesion to PC - (C) ⁵	14	lbf/in	VDI 2019

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² Mold Temperature: 464°F, Injection Pressure: 1.10E+4 psi
- ³ Type S2, 7.9 in/min
- ⁴ Method Bb, Angle (Nicked)
- ⁵ Two-component injection molding

