

THERMOLAST® A TC7MUZ (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	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Weather Resistance	• UV Resistant
Uses	• Automotive Exterior Parts	• Automotive Window Encapsulation	• Handles
	• Automotive Lighting	• Caps	• Protective Coverings
Automotive Specifications	• BMW GS 93042	• MERCEDES BENZ DBL 5562	
	• GM GMW15702	• VOLKSWAGEN 50123	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Spiral Flow ²	16.1	in	Internal Method



Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ³ (Break)	1740	psi	ISO 37
Tensile Elongation ³ (Break)	640	%	ISO 37
Tear Strength ⁴	160	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	75		ISO 48-4
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS - (C) ⁵	46	lbf/in	VDI 2019
Adhesion to ASA - (C) ⁵	51	lbf/in	VDI 2019
Adhesion to PC - (C) ⁵	34	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

