

# THERMOLAST® A TA4AOZ (Series: UV/AD1)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The UV/AD1 Series is your material solution for applications requiring a high UV resistance and adhesion to polar thermoplastics such as PC, ABS, PC/ABS. It is particularly appropriate for automotive exterior components.

Typical applications

Handles (hand tools and power tools etc.)

Seals for windows and doors

Material advantages

Easy flowing

Excellent adhesion

Excellent resistance against oil and grease

Perfect surface finish

UV resistance

General Information			
Features	Good Adhesion		
	Good Flow		
	Good UV Resistance		
	Grease Resistant		
	Oil Resistant		
	Outstanding Surface Finish		
Uses	Automotive Exterior Parts		
	Handles		
	Seals		
Appearance	Black		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	38		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	2.00	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	500	%	ISO 37
Tear Strength <sup>3</sup>	8.5	kN/m	ISO 34-1
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS	500.0	N/m	Renault D41/1916
Adhesion to PC	3.0	kN/m	Renault D41/1916

Adhesion to PC/ABS	3.0	kN/m	Renault D41/1916
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	200	°C	
Die Temperature	220	°C	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method Bb, Angle (Nicked)		

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#### Recommended distributors for this material

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