

The AD/PA series is your material solution for applications with adhesion to PA. The compounds are available in black and natural colors. Natural color variants can be colored in many different ways.

### Processing Method

Injection Molding

### Color / RAL DESIGN

■ Natural ■ Black

### Typical applications

- Thumb wheels
- Seals
- Function and design elements
- Attenuators for electronic housings
- Handles (hand tools and power tools etc.)
- Grommets
- Cable clips

### Material advantages

- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Adhesion to PA12
- Soft touch surface
- Demolding
- Optimized flow properties
- Halogen content (chlorine + bromine) < 900 ppm
- Dry haptics
- Colorable
- Temperature stability up to 90 °C

### Regulations / Approvals

- DIN 75201-B - Fogging
- 49 CFR §571.302 (FMVSS 302)
- DIN EN ISO 105-B06 Methode 3
- VW 50123
- BMW GS 93042
- Daimler DBL 5562
- PSA B62 0300
- Renault 03-10-104
- GM GMW15702
- UL 94 HB

The product storage life is 12 months after delivery if storage instructions are followed. Store under dry conditions at room temperature (15–30 °C) away from heat sources and direct sunlight! Contact with nitrogen oxides must be avoided during storage!

For further information and individual custom solutions please contact our customer service.

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Disclaimer: The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication and may be subject to revision as new knowledge and data becomes available. All values reported are typical values based on sample test results and are not a guarantee of performance. The responsibility to conduct testing to determine suitability of use for the particular process or end-use application remains with the customer.

Compound name	Color / RAL DESIGN	Hardness DIN ISO 48-4 Shore A	Density DIN EN ISO 1183-1 g/cm <sup>3</sup>	Tensile Strength <sup>1</sup> DIN 53504/ISO 37 MPa	Elongation at Break <sup>1</sup> DIN 53504/ISO 37 %	Tear Resistance ISO 34-1 Methode B (b) (Graves) N/mm	CS 72 h/23 °C DIN ISO 815-1 Method A %	Adhesion to PA 6 <sup>2</sup> VDI 2019 two-component injection molding N/mm	Adhesion to PA 6.6 VDI 2019 two-component injection molding N/mm
<b>TC2PAN</b>	Natural	23	1.150	1.0	450	8.0	31	1.0 (A)	1.5 (A)
<b>TC2PAZ</b>	Black	24	1.150	1.5	450	8.5	31	1.0 (A)	1.5 (A)
<b>TC3PAN</b>	Natural	29	1.150	1.5	500	8.0	35	1.5 (A)	2.0 (A/D)
<b>TC3PAZ</b>	Black	32	1.150	1.5	450	8.0	35	2.0 (B)	2.0 (D)
<b>TC4PAN</b>	Natural	42	1.150	2.0	450	10.0	30	3.0 (D)	3.0 (B/D)
<b>TC4PAZ</b>	Black	39	1.150	2.0	450	10.0	32	2.5 (D)	3.0 (B/D)
<b>TC5PAN</b>	Natural	48	1.150	2.5	450	13.0	27	4.0 (B/D)	4.0 (D)
<b>TC5PAZ</b>	Black	48	1.150	2.5	450	13.0	33	4.0 (D)	4.0 (B/D)
<b>TC6PAN</b>	Natural	60	1.150	3.5	450	19.5	29	6.0 (D)	6.0 (D)
<b>TC6PAZ</b>	Black	58	1.150	3.0	400	16.0	29	5.5 (D)	5.5 (D)
<b>TC7PAN</b>	Natural	68	1.150	3.5	350	17.0	33	6.0 (D)	5.5 (D)
<b>TC7PAZ</b>	Black	71	1.150	3.5	350	17.0	35	6.0 (D)	6.0 (B/D)
<b>TC8PAN</b>	Natural	80	1.150	5.5	350	29.0	29	9.0 (D)	9.0 (D)
<b>TC8PAZ</b>	Black	80	1.150	5.5	350	27.0	38	9.0 (D)	8.5 (D)

<sup>1</sup>Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.

<sup>2</sup>The adhesion quality depends on mold design, product geometry and process parameters.

All values published in this data sheet are rounded average values.

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