

ATEVA® 1821AX

ATEVA®

Product information

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|-----------------------|----------|-----------|
| Resin Identification | (EVAC) | ISO 1043 |
| Part Marking Code | >(EVAC)< | ISO 11469 |
| Vinyl acetate content | 18 % | |

Rheological properties

| | | |
|-----------------|-----------|-------------|
| Melt Flow Index | 3 g/10min | ASTM D 1238 |
| Temperature | 190 °C | |
| Load | 2.16 kg | |

Typical mechanical properties

| | | |
|-------------------------|---------|-------------|
| Tensile Strength | 15 MPa | ASTM D 638 |
| Elongation at break | 685 % | ASTM D 638 |
| Flexural modulus | 45 MPa | ASTM D 790 |
| Brittleness Temperature | <-85 °C | ASTM D 746 |
| Shore A hardness | 92 | ASTM D 2240 |
| Shore D hardness | 36 | ASTM D 2240 |

Thermal properties

| | | |
|---------------------|-------|-------------|
| Melting temperature | 87 °C | ASTM D 3418 |
|---------------------|-------|-------------|

Physical/Other properties

| | | |
|---------|-----------------------|--|
| Density | 938 kg/m ³ | |
|---------|-----------------------|--|

Film Properties

| | | |
|--|--------|-------------|
| Stress at yield, machine direction, 500 mm/min | 4 MPa | ASTM D 882 |
| Stress at yield, transverse, 500 mm/min | 7 MPa | ASTM D 882 |
| Maximum stress, machine direction, 500 mm/min | 23 MPa | ASTM D 882 |
| Maximum stress, transverse, 500 mm/min | 27 MPa | ASTM D 882 |
| Maximum strain, machine direction, 500 mm/min | 460 % | ASTM D 882 |
| Maximum strain, transverse, 500 mm/min | 620 % | ASTM D 882 |
| Gloss, 45° | 51 | ASTM D 2303 |
| Haze | 9 | ASTM D 1003 |

Printed: 2024-04-18

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Revised: 2024-01-23 Source: Celanese Materials Database

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