

Ateva® 1820

Ethylene Vinyl Acetate Copolymer
Celanese EVA Performance Polymers

Message:

This resin is commonly used for hot melt coating and adhesive, foam, and compounding applications.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Copolymer | | |
| Uses | Acoustic Barrier | | |
| | Adhesives | | |
| | Automotive Applications | | |
| | Coating Applications | | |
| | Compounding | | |
| | Foam | | |
| | Sealants | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.938 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.0 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 18.0 | wt% | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 90 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 15.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 680 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 52.0 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Melting Temperature | 87.0 | °C | ASTM D3418 |
| Ring and Ball Softening Point | 172 | °C | ASTM E28 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | < 210 | °C | |
| NOTE | | | |
| 1. | Type IV, 50 mm/min | | |
| 2. | Type IV, 50 mm/min | | |

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