



## Ateva<sup>®</sup> 2820AG

## EVA COPOLYMER

### Product Description

This resin is commonly used for medical applications.

| Resin Properties            | Typical Value | SI Unit           | Imperial | Unit              | Test Method                  |
|-----------------------------|---------------|-------------------|----------|-------------------|------------------------------|
| Vinyl Acetate               | 28            | %                 | 28       | %                 | PTM-39                       |
| Melt Index (190 °C/2.16 kg) | 25            | g/10 min.         | 25       | g/10 min.         | ASTM D1238                   |
| Density                     | 948           | kg/m <sup>3</sup> | 0.948    | g/cm <sup>3</sup> | ASTM D1505 ASTM D1928 Proc A |
| Antioxidant                 | Yes           |                   | Yes      |                   |                              |

### Thermal Properties

|                             |     |    |     |    |            |
|-----------------------------|-----|----|-----|----|------------|
| DSC Melt Temp               | 70  | °C | 158 | °F | ASTM D3418 |
| Ring & Ball Softening Point | 124 | °C | 255 | °F | ASTM E28   |

### Molded Plaque Properties

|                              |     |     |      |     |                              |
|------------------------------|-----|-----|------|-----|------------------------------|
| Tensile Strength at Break    | 11  | MPa | 1600 | psi | ASTM D638 Type IV (50mm/min) |
| Elongation at Break          | 850 | %   | 850  | %   |                              |
| Hardness - Shore A           | 80  | --  | 80   | --  | ASTM D2240                   |
| Hardness - Shore D           | 22  | --  | 22   | --  |                              |
| Flexural Modulus (1% Secant) | 15  | MPa | 2180 | psi | ASTM D790                    |

### Processing Information

This polymer may be processed on conventional extrusion equipment. It is recommended that the melt temperature be kept below 210°C as decomposition can occur at higher temperatures.

### Regulatory Compliance

Contact Celanese Customer Service for information about food contact or other regulatory compliance.