

**Ateva® 1850A****EVA COPOLYMER****Product Description**

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

| Resin Properties            | Typical Value | SI Unit           | Imperial | Unit              | Test Method                  |
|-----------------------------|---------------|-------------------|----------|-------------------|------------------------------|
| Vinyl Acetate               | 18            | %                 | 18       | %                 | PTM-39                       |
| Melt Index (190 °C/2.16 kg) | 150           | g/10 min.         | 150      | g/10 min.         | ASTM D1238                   |
| Density                     | 935           | kg/m <sup>3</sup> | 0.935    | g/cm <sup>3</sup> | ASTM D1505 ASTM D1928 Proc A |
| Antioxidant                 | Yes           |                   | Yes      |                   |                              |

**Thermal Properties**

|                             |    |    |     |    |            |
|-----------------------------|----|----|-----|----|------------|
| DSC Melt Temp               | 84 | °C | 183 | °F | ASTM D3418 |
| Ring & Ball Softening Point | 95 | °C | 203 | °F | ASTM E28   |

**Molded Plaque Properties**

|                              |     |     |      |     |                              |
|------------------------------|-----|-----|------|-----|------------------------------|
| Tensile Strength at Break    | 7   | MPa | 1020 | psi | ASTM D638 Type IV (50mm/min) |
| Elongation at Break          | 700 | %   | 700  | %   |                              |
| Hardness - Shore A           | 86  | --  | 86   | --  | ASTM D2240                   |
| Hardness - Shore D           | 34  | --  | 34   | --  |                              |
| Flexural Modulus (1% Secant) | 42  | MPa | 6090 | psi | ASTM D790                    |

**Processing Information**

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.

