

## ATEVA® 2803G - EVA

### Description

This resin is commonly used for medical packaging and is manufactured to comply with USP Class VI.

| Physical properties  | Value | Unit              | Test Standard |
|----------------------|-------|-------------------|---------------|
| Density              | 952   | kg/m <sup>3</sup> | Internal      |
| Melt flow index, MFI | 3     | g/10min           | ASTM D1238    |
| Temperature          | 190   | °C                | ASTM D1238    |
| Load                 | 2.16  | kg                | ASTM D1238    |
| Vinyl Acetate        | 28    | %                 | Internal      |

| Mechanical properties              | Value | Unit | Test Standard |
|------------------------------------|-------|------|---------------|
| Flexural modulus, 23°C             | 21    | MPa  | ASTM D790     |
| Tensile stress at break, 50 mm/min | 24    | MPa  | ASTM D638     |
| Tensile strain at break, 50 mm/min | 770   | %    | ASTM D638     |
| Shore A hardness                   | 81    | -    | ASTM D2240    |
| Shore D hardness                   | 28    | -    | ASTM D2240    |

| Thermal properties          | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| Melting point               | 74    | °C   | ASTM D3418    |
| Brittleness temperature     | <-85  | °C   | ASTM D746     |
| Vicat softening temperature | 44    | °C   | ASTM D1525    |

### Characteristics

**Regulatory** Medical grade

