

## Cossa Polimeri ESTADIENE 0835 GF Acrylonitrile Butadiene Styrene, 17% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

### Material Notes:

ABS with 17% glass fiber reinforcement Good thermal resistance, good dimensional stability, good processability Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cossa-Polimeri-ESTADIENE-0835-GF-Acrylonitrile-Butadiene-Styrene-17-Glass-Filled.php](http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-0835-GF-Acrylonitrile-Butadiene-Styrene-17-Glass-Filled.php)

| Physical Properties   | Metric                                               | English                                              | Comments    |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-------------|
| Density               | 1.15 g/cc                                            | 0.0415 lb/in <sup>3</sup>                            | ASTM D 792  |
| Linear Mold Shrinkage | 0.0020 - 0.0040 cm/cm                                | 0.0020 - 0.0040 in/in                                | ASTM D 955  |
| Melt Flow             | 5.0 g/10 min<br>@Load 10.0 kg,<br>Temperature 220 °C | 5.0 g/10 min<br>@Load 22.0 lb,<br>Temperature 428 °F | ASTM D 1238 |

| Mechanical Properties     | Metric                              | English                               | Comments   |
|---------------------------|-------------------------------------|---------------------------------------|------------|
| Tensile Strength at Break | 70.0 MPa                            | 10200 psi                             | ASTM D 638 |
| Elongation at Break       | 3.0 %                               | 3.0 %                                 | ASTM D 638 |
| Flexural Modulus          | 5.30 GPa                            | 769 ksi                               | ASTM D 790 |
| Izod Impact, Notched      | 0.600 J/cm<br>@Temperature 0.000 °C | 1.12 ft-lb/in<br>@Temperature 32.0 °F | ASTM D 638 |
|                           | 0.700 J/cm<br>@Temperature 23.0 °C  | 1.31 ft-lb/in<br>@Temperature 73.4 °F | ASTM D 256 |

| Thermal Properties    | Metric                   | English                    | Comments             |
|-----------------------|--------------------------|----------------------------|----------------------|
| Vicat Softening Point | 108 °C<br>@Load 5.00 kg  | 226 °F<br>@Load 11.0 lb    | 50°C/hr; ASTM D 1525 |
|                       | 117 °C<br>@Load 0.999 kg | 243 °F<br>@Load 2.20 lb    | 50°C/hr; ASTM D 1525 |
| Flammability, UL94    | HB<br>@Thickness 1.60 mm | HB<br>@Thickness 0.0630 in |                      |
|                       | HB                       | HB                         |                      |

| Thermal Properties | @Thickness 3.20 mm<br>Metric | @Thickness 0.126 in<br>English | Comments       |
|--------------------|------------------------------|--------------------------------|----------------|
| Glow Wire Test     | 650 °C                       | 1200 °F                        | I.E.C. 695-2-1 |
|                    | @Thickness 2.00 mm           | @Thickness 0.0787 in           |                |

## Contact Songhan Plastic Technology Co.,Ltd.

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