

## Cossa Polimeri ESTADIENE 3520 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

### Material Notes:

ABS with high impact resistanceHigh melt flow rate, high impact resistance at low temperature, excellent processability and surface appearanceInformation provided by Cossa Polimeri S.r.l.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cossa-Polimeri-ESTADIENE-3520-Acrylonitrile-Butadiene-Styrene.php](http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-3520-Acrylonitrile-Butadiene-Styrene.php)

| Physical Properties   | Metric                                              | English                                             | Comments    |
|-----------------------|-----------------------------------------------------|-----------------------------------------------------|-------------|
| Density               | 1.05 g/cc                                           | 0.0379 lb/in³                                       | ASTM D 792  |
| Linear Mold Shrinkage | 0.0040 - 0.0070 cm/cm                               | 0.0040 - 0.0070 in/in                               | ASTM D 955  |
| Melt Flow             | 25 g/10 min<br>@Load 10.0 kg,<br>Temperature 220 °C | 25 g/10 min<br>@Load 22.0 lb,<br>Temperature 428 °F | ASTM D 1238 |

| Mechanical Properties     | Metric                             | English                               | Comments   |
|---------------------------|------------------------------------|---------------------------------------|------------|
| Tensile Strength at Break | 35.0 MPa                           | 5080 psi                              | ASTM D 638 |
| Tensile Strength, Yield   | 40.0 MPa                           | 5800 psi                              | ASTM D 638 |
| Elongation at Break       | 25 %                               | 25 %                                  | ASTM D 638 |
| Flexural Modulus          | 2.10 GPa                           | 305 ksi                               | ASTM D 790 |
| Izod Impact, Notched      | 3.00 J/cm<br>@Temperature 0.000 °C | 5.62 ft-lb/in<br>@Temperature 32.0 °F | ASTM D 638 |
|                           | 3.50 J/cm<br>@Temperature 23.0 °C  | 6.56 ft-lb/in<br>@Temperature 73.4 °F | ASTM D 256 |

| Thermal Properties    | Metric                   | English                    | Comments             |
|-----------------------|--------------------------|----------------------------|----------------------|
| Vicat Softening Point | 96.0 °C<br>@Load 5.00 kg | 205 °F<br>@Load 11.0 lb    | 50°C/hr; ASTM D 1525 |
|                       | 105 °C<br>@Load 0.999 kg | 221 °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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