

Cossa Polimeri ESTADIENE 2020 MT Acrylonitrile Butadiene Styrene

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

Material Notes:

ABS Medium heat resistance, good impact resistance, good melt flow rate, high gloss, with antistatic, excellent processability. Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-2020-MT-Acrylonitrile-Butadiene-Styrene.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|-------------|
| Density | 1.05 g/cc | 0.0379 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage | 0.0040 - 0.0070 cm/cm | 0.0040 - 0.0070 in/in | ASTM D 955 |
| Melt Flow | 20 g/10 min @Load 10.0 kg, Temperature 220 °C | 20 g/10 min @Load 22.0 lb, Temperature 428 °F | ASTM D 1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------------------------------|---------------------------------------|------------|
| Tensile Strength at Break | 40.0 MPa | 5800 psi | ASTM D 638 |
| Tensile Strength, Yield | 46.0 MPa | 6670 psi | ASTM D 638 |
| Elongation at Break | 6.0 % | 6.0 % | ASTM D 638 |
| Flexural Modulus | 2.60 GPa | 377 ksi | ASTM D 790 |
| Izod Impact, Notched | 1.60 J/cm @Temperature 0.000 °C | 3.00 ft-lb/in @Temperature 32.0 °F | ASTM D 638 |
| | 2.00 J/cm @Temperature 23.0 °C | 3.75 ft-lb/in @Temperature 73.4 °F | ASTM D 256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------------------------|----------------------------|----------------------|
| Vicat Softening Point | 102 °C @Load 5.00 kg | 216 °F @Load 11.0 lb | 50°C/hr; ASTM D 1525 |
| | 110 °C @Load 0.999 kg | 230 °F @Load 2.20 lb | 50°C/hr; ASTM D 1525 |
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | |
| | HB | HB | |

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

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