

ESTADIENE CR 1

Acrylonitrile Butadiene Styrene

Cossa Polimeri S.r.l.

Message:

ESTADIENE CR 1 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Applications of ESTADIENE CR 1 include coating applications and engineering/industrial parts.

Characteristics include:

- Flame Rated
- Impact Resistant
- Good Processability
- High Gloss

| General Information | | | |
|-------------------------------------------|-----------------------------------|-------------------|-------------------------|
| Features | Good Flow | | |
| | Good Processability | | |
| | High Gloss | | |
| | High Impact Resistance | | |
| | Low Temperature Impact Resistance | | |
| Uses | Coating Applications | | |
| | Engineering Parts | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 20 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.70 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 36.0 | MPa | |
| Break | 29.0 | MPa | |
| Tensile Elongation (Break) | 25 | % | ASTM D638 |
| Flexural Modulus | 2100 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| 0°C | 350 | J/m | |
| 23°C | 400 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | | | |
| -- | 104 | °C | ASTM D1525 ¹ |
| -- | 96.0 | °C | ASTM D1525 ² |

| Flammability | Nominal Value | Unit | Test Method |
|------------------------------------------|---------------|------|----------------|
| Flame Rating | | | UL 94 |
| 1.60 mm | HB | | |
| 3.20 mm | HB | | |
| Glow Wire Ignition Temperature (2.00 mm) | 650 | °C | IEC 60695-2-13 |

NOTE

1. Rate A (50°C/h), Loading 1 (10 N)
2. Rate A (50°C/h), Loading 2 (50 N)

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

