

# ESTADIENE 1016 T V0

Acrylonitrile Butadiene Styrene

Cossa Polimeri S.r.l.

Message:

ESTADIENE 1016 T V0 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Applications of ESTADIENE 1016 T V0 include electrical/electronic applications and furniture.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability
- Halogen Free
- Heat Resistant

| General Information                       |                                    |                   |                         |
|-------------------------------------------|------------------------------------|-------------------|-------------------------|
| Features                                  | Bromine Free                       |                   |                         |
|                                           | Flame Retardant                    |                   |                         |
|                                           | Good Processability                |                   |                         |
|                                           | High Heat Resistance               |                   |                         |
| Uses                                      | Electrical/Electronic Applications |                   |                         |
|                                           | Furniture                          |                   |                         |
| Forms                                     | Pellets                            |                   |                         |
| Physical                                  | Nominal Value                      | Unit              | Test Method             |
| Specific Gravity                          | 1.20                               | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 7.0                                | g/10 min          | ASTM D1238              |
| Molding Shrinkage - Flow                  | 0.30 to 0.60                       | %                 | ASTM D955               |
| Mechanical                                | Nominal Value                      | Unit              | Test Method             |
| Tensile Strength                          |                                    |                   | ASTM D638               |
| Yield                                     | 39.0                               | MPa               |                         |
| Break                                     | 31.0                               | MPa               |                         |
| Tensile Elongation (Break)                | 12                                 | %                 | ASTM D638               |
| Flexural Modulus                          | 2500                               | MPa               | ASTM D790               |
| Impact                                    | Nominal Value                      | Unit              | Test Method             |
| Notched Izod Impact                       |                                    |                   | ASTM D256               |
| 0°C                                       | 60                                 | J/m               |                         |
| 23°C                                      | 80                                 | J/m               |                         |
| Thermal                                   | Nominal Value                      | Unit              | Test Method             |
| Vicat Softening Temperature               |                                    |                   |                         |
| --                                        | 117                                | °C                | ASTM D1525 <sup>1</sup> |
| --                                        | 107                                | °C                | ASTM D1525 <sup>2</sup> |
| Flammability                              | Nominal Value                      | Unit              | Test Method             |

|                                          |                                   |                   |
|------------------------------------------|-----------------------------------|-------------------|
| Flame Rating                             |                                   | UL 94             |
| 1.60 mm                                  | V-0                               |                   |
| 3.20 mm                                  | V-0                               |                   |
| Glow Wire Ignition Temperature (2.00 mm) | 960                               | °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



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