

# Shinko-Lac® ABS TM25

Acrylonitrile Butadiene Styrene

Mitsubishi Rayon America Inc.

## Message:

Shinko-Lac® ABS TM25 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in North America. Primary attribute of Shinko-Lac® ABS TM25: Flame Rated.

| General Information                                              |               |                   |             |
|------------------------------------------------------------------|---------------|-------------------|-------------|
| Forms                                                            | Pellets       |                   |             |
| Physical                                                         | Nominal Value | Unit              | Test Method |
| Specific Gravity                                                 | 1.06          | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)                         | 0.30          | g/10 min          | ASTM D1238  |
| Hardness                                                         | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                                      | 108           |                   | ASTM D785   |
| Mechanical                                                       | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)                                   | 44.1          | MPa               | ASTM D638   |
| Flexural Modulus (23°C, 6.35 mm)                                 | 2350          | MPa               | ASTM D790   |
| Flexural Strength (23°C, 6.35 mm)                                | 71.6          | MPa               | ASTM D790   |
| Impact                                                           | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)                                       | 170           | J/m               | ASTM D256   |
| Thermal                                                          | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm) | 102           | °C                | ASTM D648   |
| Vicat Softening Temperature                                      | 117           | °C                | ASTM D1525  |
| Flammability                                                     | Nominal Value | Test Method       |             |
| Flame Rating                                                     | HB            | UL 94             |             |

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