

# Shinko-Lac® ASA TW35

Acrylonitrile Styrene Acrylate

Mitsubishi Rayon America Inc.

## Message:

Shinko-Lac® ASA TW35 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in North America for injection molding. Primary attribute of Shinko-Lac® ASA TW35: Heat Resistant.

| General Information                             |                      |                   |             |
|-------------------------------------------------|----------------------|-------------------|-------------|
| Features                                        | High Heat Resistance |                   |             |
| Forms                                           | Pellets              |                   |             |
| Processing Method                               | Injection Molding    |                   |             |
| Physical                                        | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                | 1.08                 | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)       | 1.8                  | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                        | 0.60                 | %                 | ASTM D955   |
| Hardness                                        | Nominal Value        | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                     | 110                  |                   | ASTM D785   |
| Mechanical                                      | Nominal Value        | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)                  | 49.0                 | MPa               | ASTM D638   |
| Flexural Modulus (23°C)                         | 2400                 | MPa               | ASTM D790   |
| Flexural Strength (Yield, 23°C)                 | 78.5                 | MPa               | ASTM D790   |
| Impact                                          | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (23°C)                      | 120                  | J/m               | ASTM D256   |
| Thermal                                         | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load               |                      |                   | ASTM D648   |
| 0.45 MPa, Unannealed, 6.35 mm, Injection Molded | 125                  | °C                |             |
| 1.8 MPa, Unannealed, 6.35 mm, Injection Molded  | 112                  | °C                |             |
| Vicat Softening Temperature                     | 127                  | °C                | ISO 306/B   |

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## Recommended distributors for this material

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