# Abstron IM17A TT

Acrylonitrile Butadiene Styrene

Bhansali Engineering Polymers Limited

## Message:

Abstron IM17A TT is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.
Characteristics include:
Flame Rated
High Flow
Impact Resistant

| General Information | | | |
|---|---|---|---|
| Features | High Flow<br>Medium Impact Resistance | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Specific Gravity | 1.04 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 43 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.60 | % | ASTM D955 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale, Injection Molded) | 113 | | ASTM D785 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [1] (Yield, 3.20 mm, Injection Molded) | 42.2 | MPa | ASTM D638 |
| Flexural Modulus [2] (6.40 mm, Injection Molded) | 2160 | MPa | ASTM D790 |
| Flexural Strength [3] (6.40 mm, Injection Molded) | 63.7 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact | | | ASTM D256 |
| 23°C, 3.20 mm, Injection Molded | 170 | J/m | |
| 23°C, 6.40 mm, Injection Molded | 150 | J/m | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load [4] (1.8 MPa, Annealed, 6.40 mm, Injection Molded) | 94.0 | °C | ASTM D648 |
| **Flammability** | **Nominal Value** | | **Test Method** |
| Flame Rating (3.20 mm) | HB | | UL 94 |
| **NOTE** | | | |
| 1. | Type I, 5.0 mm/min | | |
| 2. | 5.0 mm/min | | |
| 3. | 5.0 mm/min | | |

| | |
|---|---|
| 4. | Annealed at 85°C for 2 hr |



## Recommended distributors for this material

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