

# CP PRYME® ABS A100HI

Acrylonitrile Butadiene Styrene

Chase Plastics Services Inc.

## Message:

CP PRYME® ABS A100HI is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in North America. Primary characteristic: impact resistant.

| General Information                       |                        |                   |             |
|-------------------------------------------|------------------------|-------------------|-------------|
| Features                                  | High Impact Resistance |                   |             |
| Appearance                                | Natural Color          |                   |             |
| Forms                                     | Pellets                |                   |             |
| Physical                                  | Nominal Value          | Unit              | Test Method |
| Specific Gravity                          | 1.05                   | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 12                     | g/10 min          | ASTM D1238  |
| Mechanical                                | Nominal Value          | Unit              | Test Method |
| Tensile Strength (23°C)                   | 37.2                   | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 35                     | %                 | ASTM D638   |
| Flexural Modulus (23°C)                   | 1900                   | MPa               | ASTM D790   |
| Flexural Strength (Yield, 23°C)           | 58.6                   | MPa               | ASTM D790   |
| Impact                                    | Nominal Value          | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 500                    | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value          | Unit              | Test Method |
| Deflection Temperature Under Load         |                        |                   | ASTM D648   |
| 0.45 MPa, Unannealed, 3.18 mm             | 88.9                   | °C                |             |
| 1.8 MPa, Unannealed, 3.18 mm              | 85.0                   | °C                |             |

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