

# ASI POLYPROPYLENE 1500-01

Polypropylene Impact Copolymer

A. Schulman Inc.

Message:

PP 1500 is a super high-impact copolymer polypropylene.

| General Information                                      |                              |                   |             |
|----------------------------------------------------------|------------------------------|-------------------|-------------|
| Features                                                 | Impact Copolymer             |                   |             |
|                                                          | Ultra High Impact Resistance |                   |             |
| Processing Method                                        | Injection Molding            |                   |             |
| Physical                                                 | Nominal Value                | Unit              | Test Method |
| Specific Gravity                                         | 0.898                        | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 10                           | g/10 min          | ASTM D1238  |
| Hardness                                                 | Nominal Value                | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 70                           |                   | ASTM D785   |
| Mechanical                                               | Nominal Value                | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                    | 20.0                         | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                               | 24                           | %                 | ASTM D638   |
| Flexural Modulus - Secant <sup>2</sup>                   | 850                          | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value                | Unit              | Test Method |
| Notched Izod Impact (23°C)                               | 530                          | J/m               | ASTM D256   |
| Unnotched Izod Impact (23°C)                             | No Break                     |                   | ASTM D256   |
| Thermal                                                  | Nominal Value                | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 75.0                         | °C                | ASTM D648   |
| NOTE                                                     |                              |                   |             |
| 1.                                                       | 50 mm/min                    |                   |             |
| 2.                                                       | 5.0 mm/min                   |                   |             |

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