

# ASI POLYPROPYLENE 1407H-01

Polypropylene Impact Copolymer

A. Schulman Inc.

Message:

Polypropylene PP 1407H is a relatively medium flow, high-impact polypropylene for injection molded parts. This material meets FDA Regulation 177.1520 for food contact applications.

| General Information                                      |                         |          |             |
|----------------------------------------------------------|-------------------------|----------|-------------|
| Features                                                 | Food Contact Acceptable |          |             |
|                                                          | High Impact Resistance  |          |             |
|                                                          | Impact Copolymer        |          |             |
|                                                          | Medium Flow             |          |             |
| Agency Ratings                                           | FDA 21 CFR 177.1520     |          |             |
| Forms                                                    | Pellets                 |          |             |
| Processing Method                                        | Compounding             |          |             |
|                                                          | Injection Molding       |          |             |
| Physical                                                 | Nominal Value           | Unit     | Test Method |
| Specific Gravity                                         | 0.900                   | g/cm³    | 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)                              | 65                      |          | ASTM D785   |
| Mechanical                                               | Nominal Value           | Unit     | Test Method |
| Tensile Strength <sup>1</sup> (Break)                    | 22.1                    | MPa      | ASTM D638   |
| Tensile Elongation (Yield)                               | 10                      | %        | ASTM D638   |
| Flexural Modulus                                         | 1000                    | MPa      | ASTM D790   |
| Impact                                                   | Nominal Value           | Unit     | Test Method |
| Notched Izod Impact (23°C)                               | No Break                |          | ASTM D256   |
| Unnotched Izod Impact (23°C)                             | No Break                |          | ASTM D256   |
| Gardner Impact (-29°C)                                   | > 40.7                  | J        |             |
| Thermal                                                  | Nominal Value           | Unit     | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 80.0                    | °C       | ASTM D648   |
| NOTE                                                     |                         |          |             |

1. 51 mm/min

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

