

## A. Schulman PP 829-01 Polypropylene Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Description Polypropylene PP 829-01 is a homopolymer polypropylene approved to Ford specification ESB-M4D63A. Primarily used for interior automotive components, this material is also well suited for extrusion and injection processes. Application PP 829-01 meets FDA Regulation 21 CFR 177.1520 for food contact applications. Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-PP-829-01-Polypropylene-Homopolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_A-Schulman-PP-829-01-Polypropylene-Homopolymer-Polypropylene.php)

| Physical Properties    | Metric                               | English                              | Comments   |
|------------------------|--------------------------------------|--------------------------------------|------------|
| Specific Gravity       | 0.900 g/cc                           | 0.900 g/cc                           | ASTM D792  |
| Melt Index of Compound | 4.0 g/10 min                         | 4.0 g/10 min                         | ASTM D1238 |
|                        | @Load 2.16 kg,<br>Temperature 230 °C | @Load 4.76 lb,<br>Temperature 446 °F |            |

| Mechanical Properties   | Metric     | English        | Comments                                        |
|-------------------------|------------|----------------|-------------------------------------------------|
| Hardness, Rockwell R    | 95         | 95             | ASTM D785                                       |
| Tensile Strength, Yield | 34.5 MPa   | 5000 psi       | 50 mm/min; ASTM D638                            |
| Elongation at Break     | 50 %       | 50 %           | ASTM D638                                       |
| Flexural Modulus        | 1.31 GPa   | 190 ksi        | 50 mm/min span, 5 mm/min, 1 % secant; ASTM D790 |
| Izod Impact, Notched    | 0.267 J/cm | 0.500 ft-lb/in | ASTM D256                                       |

| Thermal Properties                          | Metric  | English | Comments  |
|---------------------------------------------|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 100 °C  | 212 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 50.0 °C | 122 °F  | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Melt Temperature      | 160 °C | 320 °F  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China