


**Formosa Plastics®**
**Formolene® PP**

## Formolene® 6535N

### *Impact Copolymer - Designed to Meet the Physical Requirements of Automotive Interior Trim*

Formolene® 6535N is an engineered, medium impact copolymer polypropylene. It was specifically developed to meet the OEM demands for automotive interior trim applications, with proven injection molding economy.

The optimal stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances.

Material has been approved under automotive specifications - FCA MS-DB-500 CPN 3560 and CPN 4732, Ford WSS-M4D638-B, GM16208-T1, Renault Nissan AS5, and Toyota TSM 5514G Class 2.

This material is free of animal-derived content.

#### Typical Properties of this Commercial Grade

| Property                                 | Test Method | Typical Values        |                       |
|------------------------------------------|-------------|-----------------------|-----------------------|
|                                          |             | English               | SI                    |
| Melt Flow Rate, I <sub>2</sub> @ 230°C   | ASTM D1238  | 35 g/10 min           | 35 g/10 min           |
| Density                                  | ASTM D1505  | 0.9 g/cm <sup>3</sup> | 0.9 g/cm <sup>3</sup> |
| Tensile Strength at Yield (50 mm/min)    | ASTM D638   | 3,500 psi             | 24 MPa                |
| Elongation at Break (50 mm/min)          | ASTM D638   | 100 %                 | 100 %                 |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790   | 165,000 psi           | 1138 MPa              |
| Notched Izod Impact Strength @ 73°F      | ASTM D256A  | 2.5 ft-lb/in          | 133 J/m               |
| Notched Izod Impact Strength @ 32°F      | ASTM D256A  | 1.5 ft-lb/in          | 80 J/m                |
| Notched Izod Impact Strength @ 0°F       | ASTM D256A  | 1.2 ft-lb/in          | 64 J/m                |
| Heat Deflection Temperature @ 66 psi     | ASTM D648   | 207 °F                | 97 °C                 |
| Heat Deflection Temperature @ 264 psi    | ASTM D648   | 126 °F                | 52 °C                 |
| Hardness, Durometer Shore D              | ASTM D2340  | 63 Shore D            |                       |

*Note: Specimens injection molded according to the conditions specified in ASTM D4101. Data for representative purposes only; not to be construed as product specification. Published 9/04, Revised 3/18*

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