



# DOW 5E16S PolyPropylene Resin

## Homopolymer

- Good processibility
- Superior impact
- Good mold release
- Contains an antistatic additive
- Complies with U.S. FDA 21 CFR 177.1520 (c) 1.1a  
Consult the regulations for complete details.

DOW 5E16S PolyPropylene Resin is intended for use in

injection molding processes. It is a controlled rheology grade,

designed for excellent impact and toughness.

Physical Properties	Test Method	Values <sup>(1)</sup> English (SI)
<b>Resin Properties</b>		
Melt Flow Rate (230°C), g/10 min	ASTM D 1238	35
Density, g/cc	ASTM D 792	0.90
<b>Molded Part Properties<sup>(2)</sup></b>		
Tensile Strength at Yield, psi (MPa)	ASTM D 638	4600 (32)
Tensile Elongation at Yield, %	ASTM D 638	7
Flexural Modulus, psi (Mpa)	ASTM D 790A	196,000 (1350)
Notched Izod Impact @ 23°C (74°F), ft·lbf/in. (J/m)	ASTM D 256A	0.5 (25)
Deflection Temperature Under Load @ 66 psi (0.45 Mpa), unannealed, °F (°C)	ASTM D 648	219 (104)
Rockwell Hardness, R Scale	ASTM D 785	R103

(1) Typical values, not to be construed as specifications. Users should confirm results by their own tests.

(2) Testing performed on ASTM D 638 Type I specimen, molded and tested in accordance with ASTM D 4101. Properties will vary with changes in molding conditions and aging time.

