



## VINPOL™ PI820

Impact Copolymer Polypropylene

Melt Flow: 82

Density: 0.895

VINPOL PI820 is an impact copolymer polypropylene designed for frozen dessert packaging and compounds and blends. This resin complies with U.S. FDA 21 CFR 177.1520 (C).

| Resin Property                                     | Typical Value | Units             | Test Method |
|----------------------------------------------------|---------------|-------------------|-------------|
| Melt Flow                                          | 82            | g/10 min          | ASTM D-1238 |
| Density                                            | 0.895         | g/cm <sup>3</sup> | ASTM D-792A |
| Tensile Strength at Yield                          | 2,900 (20)    | psi (MPa)         | ASTM D-638  |
| Tensile Elongation at Yield                        | 5             | %                 | ASTM D-638  |
| Flexural Modulus, 1% Secant, Injection Molded      | 138,000 (951) | psi (MPa)         | ASTM D-790A |
| Notched Izod Impact Strength, 73° F (23°C)         | 2.6 (139)     | ft-lbf/in (J/m)   | ASTM D-256A |
| Deflection Temp. Under Load (DTUL), 66psi (455kPa) | 221 (105)     | °F (°C)           | ASTM D-648  |
| Hardness                                           | 55            | Rockwell R        | ASTM D-785  |

