

# Prime Polypro™ J704UG

Polypropylene Copolymer

Prime Polymer Co., Ltd.

## Message:

Prime Polypro™J704UG is a polypropylene copolymer (PP Copoly) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

Copolymer

Hard

Antistatic

Impact resistance

| General Information                                |                               |                   |             |
|----------------------------------------------------|-------------------------------|-------------------|-------------|
| UL YellowCard                                      | E167245-312439                |                   |             |
| Additive                                           | Antistatic property           |                   |             |
| Features                                           | Block Copolymer               |                   |             |
|                                                    | Rigidity, high                |                   |             |
|                                                    | Antistatic property           |                   |             |
|                                                    | Impact resistance, high       |                   |             |
| Agency Ratings                                     | JHOSPA Unrated [A]PZar-2915-L |                   |             |
| Processing Method                                  | Injection molding             |                   |             |
| Physical                                           | Nominal Value                 | Unit              | Test Method |
| Density                                            | 0.910                         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)          | 5.0                           | g/10 min          | ISO 1133    |
| Hardness                                           | Nominal Value                 | Unit              | Test Method |
| Rockwell Hardness                                  | 90                            |                   | ISO 2039-2  |
| Mechanical                                         | Nominal Value                 | Unit              | Test Method |
| Tensile Modulus                                    | 1450                          | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                             | 29.0                          | MPa               | ISO 527-2   |
| Tensile Strain (Break)                             | 50                            | %                 | ISO 527-2   |
| Impact                                             | Nominal Value                 | Unit              | Test Method |
| Charpy Unnotched Impact Strength                   |                               |                   | ISO 179     |
| -20°C                                              | 4.5                           | kJ/m <sup>2</sup> | ISO 179     |
| 23°C                                               | 12                            | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                            | Nominal Value                 | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 105                           | °C                | ISO 75-2/B  |

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