

# TOTAL Polypropylene PPC 3650

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPC 3650 is heterophasic copolymer with a Melt Flow Index of 2 g/10 min.  
Polypropylene PPC 3650 provides an excellent balance between toughness and flow, being particularly suitable in injection molding for heavy duty applications such as tote bins, bread & vegetable trays, crates and large pails.

| General Information                       |                      |                   |             |
|-------------------------------------------|----------------------|-------------------|-------------|
| Features                                  | Good Flow            |                   |             |
|                                           | Good Toughness       |                   |             |
| Uses                                      | Crates               |                   |             |
|                                           | Pails                |                   |             |
| Agency Ratings                            | EC 1907/2006 (REACH) |                   |             |
| RoHS Compliance                           | RoHS Compliant       |                   |             |
| Forms                                     | Pellets              |                   |             |
| Physical                                  | Nominal Value        | Unit              | Test Method |
| Density                                   | 0.905                | g/cm <sup>3</sup> | ISO 1183    |
| Apparent Density                          | 0.53                 | g/cm <sup>3</sup> | ISO 60      |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 2.0                  | g/10 min          | ISO 1133    |
| Hardness                                  | Nominal Value        | Unit              | Test Method |
| Rockwell Hardness (R-Scale)               | 78                   |                   | ISO 2039-2  |
| Mechanical                                | Nominal Value        | Unit              | Test Method |
| Tensile Modulus                           | 1250                 | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                    | 24.0                 | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                    | 11                   | %                 | ISO 527-2   |
| Flexural Modulus                          | 1150                 | MPa               | ISO 178     |
| Impact                                    | Nominal Value        | Unit              | Test Method |
| Charpy Notched Impact Strength            |                      |                   | ISO 179     |
| -20°C                                     | 7.5                  | kJ/m <sup>2</sup> |             |
| 23°C                                      | > 50                 | kJ/m <sup>2</sup> |             |
| Notched Izod Impact Strength              |                      |                   | ISO 180     |
| -20°C                                     | 6.5                  | kJ/m <sup>2</sup> |             |
| 23°C                                      | > 50                 | kJ/m <sup>2</sup> |             |
| Thermal                                   | Nominal Value        | Unit              | Test Method |
| Heat Deflection Temperature               |                      |                   |             |
| 0.45 MPa, Unannealed                      | 90.0                 | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                       | 48.0                 | °C                | ISO 75-2/A  |

|                             |      |    |             |
|-----------------------------|------|----|-------------|
| Vicat Softening Temperature |      |    |             |
| --                          | 147  | °C | ISO 306/A50 |
| --                          | 65.0 | °C | ISO 306/B50 |
| Melting Temperature (DSC)   | 165  | °C | ISO 3146    |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

