

TOTAL Polypropylene PPC 4524WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 4524WZ is a nucleated high impact copolymer with a Melt Flow of 7 g/10min. 4524WZ is characterized by significantly improved impact resistance, while maintaining excellent antistatic properties and good processability. 4524WZ has been developed specifically for the injection molding of baskets, pails, toys and any articles requiring extra toughness.

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| Features | Antistatic | | |
| | Good Processability | | |
| | High Impact Resistance | | |
| | Impact Copolymer | | |
| | Nucleated | | |
| Uses | Pails | | |
| | Toys | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| | EU 2002/96/EC (WEEE) | | |
| | EU 2003/11/EC | | |
| | EU 76/769/EC | | |
| | EU 94/62/EC | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.905 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 26.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 7.0 | % | ASTM D638 |
| Flexural Modulus | 1180 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 70 | J/m | |

| 23°C | 190 | J/m | |
|--|---------------|------|-------------|
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 90.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 148 | °C | ASTM D1525 |
| Melting Temperature | 160 to 165 | °C | |

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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

