

# CarmelStat™ CS 1200

Polypropylene

Carmel Olefins Ltd.

Message:

PP for corrugated sheets.

| General Information                                      |                      |                   |             |
|----------------------------------------------------------|----------------------|-------------------|-------------|
| Uses                                                     | Wave plate           |                   |             |
| Agency Ratings                                           | EC 1907/2006 (REACH) |                   |             |
| Forms                                                    | Particle             |                   |             |
| Physical                                                 | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                         | 0.960                | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                                | 1.0                  | g/10 min          | ASTM D1238  |
| Mechanical                                               | Nominal Value        | Unit              | Test Method |
| Tensile Strength                                         |                      |                   | ASTM D638   |
| Yield                                                    | 22.0                 | MPa               | ASTM D638   |
| Fracture                                                 | 29.0                 | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                               | 10                   | %                 | ASTM D638   |
| Flexural Modulus                                         | 1100                 | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact                                      | 550                  | J/m               | ASTM D256   |
| Unnotched Izod Impact                                    | No Break             |                   | ASTM D256   |
| Thermal                                                  | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 86.0                 | °C                | ASTM D648   |
| Electrical                                               | Nominal Value        | Unit              | Test Method |
| Surface Resistivity                                      | 1.0E+9               | ohms              | ASTM D4496  |
| Volume Resistivity                                       | 1.0E+9               | ohms · cm         | ASTM D257   |
| Additional Information                                   |                      |                   |             |

Volume Resistivity, ASTM D257: 1e6 to 1e9 ohm-cmSurface Resistivity, SEOS/ESD 11.11: 1e6 to 1e9 ohmsStatic Decay Time, MIL-B 81705C: <2 secImpact Resistance, ASTM D5628: 35J

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