

# Qplast™

## QPH 12

### Homopolymer Polypropylene

Qplast™ QPH 12 is a medium melt flow rate homopolymer resin designed for general-purpose injection molding. Material is barefoot and made with non-phthalate technology.

|                                            |                                                                                                    |                         |                       |
|--------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------|-----------------------|
| Supplier                                   |                   |                         |                       |
| Applications                               | <ul style="list-style-type: none"><li>General purpose injection molding</li><li>UL 94 HB</li></ul> |                         |                       |
| Physical                                   |                                                                                                    |                         |                       |
|                                            | Typical Value (English)                                                                            | Typical Value (SI)      | Test Method           |
| Density                                    | 0.900 g/cm <sup>3</sup>                                                                            | 0.900 g/cm <sup>3</sup> | ASTM D792             |
| Melt Flow Rate (230°C/2.16 kg)             | 12 g/10 min                                                                                        | 12 g/10 min             | ASTM D1238 ASTM D1238 |
| Mechanical                                 |                                                                                                    |                         |                       |
| Tensile Strength at Yield                  | 5200 psi                                                                                           | 36 MPa                  | ASTM D638             |
| Elongation at Yield                        | 8 %                                                                                                | 8 %                     | ASTM D638             |
| Flexural Modulus — 1% Secant               | 239000 psi                                                                                         | 1648 MPa                | ASTM D790             |
| Impact                                     |                                                                                                    |                         |                       |
| Notched Izod Impact Strength (73°F (23°C)) | 0.7 ft-lb/in                                                                                       | 37 J/m                  | ASTM D256             |
| Thermal                                    |                                                                                                    |                         |                       |
| DTUL at 66psi — Unannealed                 | 214 °F                                                                                             | 101 °C                  | ASTM D648             |

#### Disclaimer

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