


# Qplast™

## QPHD P0760

### High Density Polyethylene

Qplast™ QPHD P0760 is a high-density homopolymer polyethylene with a medium molecular weight distribution. It provides superior processing consistency and results in bottles with outstanding appearance and rigidity. QPHD P0760 delivers the highest barrier properties available in high-density polyethylene, while minimizing odor and taste transfer to the packaged product.

Supplier	
Additive	Thermal Stabilizer: Yes; Antistatic: No
Applications	<ul style="list-style-type: none"> <li>Liquid Food Containers</li> <li>Food Packaging</li> <li>Thermoformed Parts</li> </ul>
Form(s)	Pellets

#### Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.963 g/cm <sup>3</sup>	0.963 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Peak Melting Temperature	273 °F	137 °C	Proprietary Method

#### Molded Properties

Tensile Strength at Yield	4700 psi	32 MPa	ASTM D638
Tensile Strength at Break	2200 psi	15 MPa	ASTM D638
Elongation at Yield	8 hr	8 hr	ASTM D638
Flexural Modulus			ASTM 790
1% Secant	185000 psi	1276 MPa	
2% Secant	160000 psi	1100 MPa	
Environmental Stress-Crack Resistance	8 hr	8 hr	ASTM D1693B
100% Igepal			
Durometer Hardness (Shore D, 15 sec)	64	64	ASTM D2240
Charpy Notched Impact Strength			ISO 179/1eA
-4°F (-20°C)	3.5 ft-lb/in <sup>2</sup>	7 kJ/m <sup>2</sup>	
73°F (23°C)	5 ft-lb/in <sup>2</sup>	10 kJ/m <sup>2</sup>	

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## Disclaimer

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REV: 2024