

Qplast™

QPHJ 865U

High Density Polyethylene

QPHJ 865U is a UV stabilized resin with a narrow molecular weight distribution. It offers outstanding stiffness, good impact strength while minimizing warpage.

Supplier



Additive

Antiblock: No; Slip: No; Processing Aid: No

Applications

- Industrial Parts
- Produce Crates
- Buckets
- Beverage Crates
- Pails

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.964 g/cm ³	0.964 g/cm ³	ASTM D792
Melt Index (190°C/2.16kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Molded Properties

Tensile Strength at Yield	4200 psi	29 MPa	ASTM D638
Tensile Strength at Break	4600 psi	32 MPa	ASTM D638
Tensile Elongation at Break	800 %	800 %	ASTM D638
Flexural Modulus — 2% Secant	150000 psi	1034 MPa	ASTM D790B
Environmental Stress-Cracking Resistance (ESCR) 122°F (50°C), 100% Igepal, F50	2.5 hr	2.5 hr	ASTM D1693
Tensile Impact Strength	37 ft-lb/in ²	77 kJ/m ²	ASTM D1822

Thermal

Vicat Softening Temperature	268 °F	131 °C	ISO 306/A
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Disclaimer

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REV:2024