

Qplast™

QPI O40HI

Impact Copolymer Polypropylene

QPlast™ QPI O40HI is a high-crystallinity copolymer resin with exceptional stiffness and impact resistance, tailored for injection molding, extrusion, and thermoforming applications.

Supplier



Applications

- Consumer Applications
- Industrial Applications
- Tool Box
- Crates
- Pallets
- Toys

Form(s)

Pellets

Physical

	Typical Value (English)	Typical Value (SI)	Test Method
Melt Flow Rate (230°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical

Tensile Strength at Yield	3600 psi	25 MPa	ASTM D638
Elongation at Yield	5.3 %	5.3 %	ASTM D638
Flexural Modulus — 1% 0.051 in/min (1.3 mm/min)	200000 psi	1379 MPa	ASTM D790A
Flexural Modulus — 1% 0.51 in/min (13 mm/min)	219000 psi	1510 MPa	ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))	198000 psi	1360 MPa	ISO 178

Impact

Notched Izod Impact at 73°F (23°C)	No Break	No Break	ASTM D256A
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Thermal

DTUL at 66psi — Unannealed	223 °F	106 °C	
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Disclaimer

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REV: 2024