

Qplast™

QPI 20HI

Impact Copolymer Polypropylene

QPlast™ QPI 20HI is a high impact copolymer polypropylene resin exhibiting easy mold flow, excellent stiffness and impact resistance at both room temperature and colder than usual ambient temperature. This provides dimensional stability in finished products.

Supplier



Applications

- Lawn and Garden Products
- Automotive Compounds
- Appliances

Physical

	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D1505
Melt Flow Rate (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical

Tensile Strength at Yield	2700 psi	19 MPa	ASTM D638
Elongation at Yield	7 %	7 %	ASTM D638
Flexural Modulus — 1% Secant	121000 psi	834 MPa	ASTM D790

Impact

Notched Izod Impact Strength 73°F (23°C)	11 ft-lb/in	587 J/m	ASTM 256A
Notched Izod Impact Strength 32°F (0°C)	2.0 ft-lb/in	107 J/m	ASTM 256A
Notched Izod Impact Strength 0°F (-18°C)	1.8 ft-lb/in	96 J/m	ASTM 256A
Notched Izod Impact Strength -22°F (-30°C)	1.6 ft-lb/in	85 J/m	ASTM 256A

Thermal

DTUL at 66psi — Unannealed	185 °F	85 °C	ASTM D648
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