

Qplast™

QPHD W1049

High Density Polyethylene

Qplast™ QPHD W1049 is a high density polyethylene that exhibits an excellent balance of toughness and stiffness.

Supplier



Additive

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

Applications

- Conduit
- Corrugated pipes
- Films

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.948 g/cm ³	0.948 g/cm ³	ASTM D792
Melt Index (190°C/5.0 kg)	0.40 g/10 min	0.40 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	11 g/10 min	11 g/10 min	ASTM D1238

Molded Properties

Tensile Strength at Yield MD	5800 psi	40 MPa	ASTM D882
Tensile Strength at Yield TD	4350 psi	30 MPa	ASTM D882
Tensile Strength at Break MD	11000 psi	76 MPa	ASTM D882
Tensile Strength at Break TD	6000 psi	41 MPa	ASTM D882
Elongation at Break MD	380 %	380 %	ASTM D882
Elongation at Break TD	670 %	670 %	ASTM D882
Dart Drop Impact	49 g	49 g	ASTM D1709A
Elmendorf Tear Strength MD	7 g	7 g	ASTM D1922
Elmendorf Tear Strength TD	54 g	54 g	ASTM D1922

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