


Qplast™

QPHD O295AA

High Density Polyethylene

QPHD O295AA is a high-density polyethylene copolymer designed for pipe extrusion applications, offering an exceptional balance of stiffness and stress crack resistance. It complies with or exceeds the requirements of AASHTO M294.

Supplier	
Additive	Thermal Stabilizer: Yes; Antistatic: No
Applications	<ul style="list-style-type: none"> • Agriculture Containers • Highway Drainage Pipe • Thin Gauge Sheet • Caps and Closures • Household and Industrial chemical containers • Food Packaging • Thermoformed Parts

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.955 g/cm ³	0.955 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	30 g/10 min	30 g/10 min	ASTM D1238

Molded Properties

Tensile Strength at Yield	4100 psi	28.0 MPa	ASTM D638
Flexural Modulus — 2% Secant	140000 psi	970 MPa	ASTM D790
Notched Constant Ligament Stress (NCLS)	>24 hr	>24 hr	ASTM F2136

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