



VINPOL™ HD00348

High Density Polyethylene

Melt Index: 0.30

Density: 0.948

VINPOL HD00348 is a high performance copolymer designed for non-pressure pipe applications, including conduit, telecommunications and drip irrigation pipe. This grade has good long-term hoop strength performance and outstanding toughness including at low temperatures. It has an excellent balance of stiffness and processability in conduit pipe applications. It meets the requirements of ASTM F2160, UL651A and NEMA TC-7, as well as meeting a minimum ASTM D3350 Cell Classification of 335430A.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 kg at 190°C	0.30	g/10 min	ASTM D-1238
Melt Index, 21.6 kg at 190°C	20	g/10 min	ASTM D-1238
Density	0.948	g/cc	ASTM D-1505
ESCR Condition B (10% Igepal), F10	>96	hrs	ASTM D-1693
ESCR Condition C (100% Igepal), F20	>192	hrs	ASTM D-1693
Tensile Strength at Break, 2 in/min, Type IV bar	3,500 (25)	psi (MPa)	ASTM D-638
Elongation at Break, 2 in/min, Type IV bar	>600	%	ASTM D-638
Flexural Modulus, Tangent, 16:1 span:depth, 0.5 in/min	120,000 (827)	psi (MPa)	ASTM D-790
Brittleness Temperature	-175 (-115)	°F (°C)	ASTM D-746
Hardness	68	Shore D	ASTM D-2240

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