

Heavy Duty – 11mm (3/8")

DESCRIPTION and USE

GRID-GUARDHD Pipeline Protection Grid is an extruded polyethylene 11mm (3/8") three-dimensional mesh/grid.

Installed on both steel and plastic pipelines

PROTECTION

- Offers impact protection during backfill operations
- Offers further protection from geological movements once buried
- Does not interfere with cathodic protection
- Consistent thickness throughout
- Available in custom rolls and pads
- Lightweight and flexible

TESTS and Technical

PRODUCT SPECIFICS

- Available in both rolls and pads for any size pipeline
- Rolls up to 7' in width
- Pads for pipelines greater than 24" in diameter
- 6" overlap recommended

PHYSICAL PROPERTIES

Structure	Diamond Grid/Mesh
Polymer	Polyethylene
Color	Black
Thickness	11mm (3/8")
Weight	.40 lb/ft ²

Measurement	Test Method	Units	Typical Results
Impact Strength	ASTM G14	in-lbs	89.7
Rock Drop Test	ASTM G13 (Modified)	n/a	No failure at 4" drop ¹
Rock Drop Test	ASTM G13 (Modified)	n/a	No failure at 6" drop ¹
Compressive Strength	ASTM 1621	psi	90 @ 50% Deformation
Tensile Strength	ASTM D 4595	Lbs/in	MD/58 TD/30
Cathodic Protection	Copy of 3rd party CP shielding test and reporting available.		Does not shield

¹A drop consisted of released 50+ lbs of limestone from a height of 6' onto a fusion bonded section of an epoxy coated steel pipeline protected by Grid-GuardHD. Results are indicated after two drops of the same. Independent lab responsible for tests and verification.

*Results may differ based upon variations in equipment, temperature, application methods, test methods, and site conditions. JDR reserves the right to improve the product at any time, resulting in specification revisions with or without notice.