



Guardian-NT is a NiMo Trilobe designed for use as bed grading in a variety of hydroprocessing unit applications. This shaped extrudate, typically loaded below other inert and active gradings such as Eurecat's Guardian-NR NiMo Rings, provides even flow distribution and pressure drop control along with moderate hydrogenation activity ahead of the main bed high activity HDS/HDN catalysts. Guardian-NT also offers excellent physical integrity.

Eurecat's Guardian Trilobes deliver a very cost effective and environmentally friendly way to maximize overall catalyst life since they are manufactured utilizing carefully selected high quality regenerated catalyst as a portion of their formulation. Customized Guardian-NT extrudate diameters are also available upon request.

### Guardian-NT Nickel/Molybdenum Trilobes Typical Properties

Nominal Diameter	mm	2.6
	in	1/10
Sock Load Density	kg/m <sup>3</sup>	690
	lb/ft <sup>3</sup>	43
Dense Load Density	kg/m <sup>3</sup>	780
	lb/ft <sup>3</sup>	49
Void Fraction	%	42
Side Crush Strength	kg/mm	2.0
	lb/mm	4.5
Bulk Crush Strength	Mpa	1.1
	lb/in <sup>2</sup>	160

**Standard Drum Packaging**                      **136 kg / 300 lb**

**Standard Supersack Packaging**            **816.5 kg / 1,800 lb**

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