

PRODUCT SHEET**GUARDIAN-NR**
HYDROPROCESSING CATALYST

Type: Nickel Molybdenum (Ni/Mo) Hollow Cylinder

Application Areas: Particulate Trap, Bed Grading, HDS/HDN/HDM Activity

Description: Part of TRICAT's GUARDIAN Family, GUARDIAN-NR is a hollow cylinder with excellent physical integrity. GUARDIAN-NR demonstrates high void space for maximum effectiveness in trapping particulates that may lead to excessive pressure drop. GUARDIAN-NR offers very good HDS, HDS, and HDM activity for all fixed bed hydrotreatng applications where guard bed topping material is beneficial.

Typical Properties:

Catalyst		GUARDIAN-NR	
Size / Shape		3/16" Hollow Cylinder	
NiO	wt. %	3	
MoO3	wt. %	12	
Bulk Density	lbs. / ft. ³	Sock	Dense
		35	40
Surface Area	m ² /g	160	
Attrition	wt. %	2	
Side Crush Strength	lbs./mm.	2	
Packaging:			
Supersacks	lbs.	1,800	
Drums	lbs.	300	
Stoichiometric S uptake	wt. %	5	

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