

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 hydrotreating applications where guard

bed topping material is beneficial.

Typical Properties:

Catalyst		GUARD	GUARDIAN-NR	
Size / Shape	•	3/16" Hollo	3/16" Hollow Cylinder	
NiO	wt. %	3	3	
MoO3	wt. %	1	12	
Bulk Density	lbs. / ft.3	Sock	Dense	
-		35	40	
Surface Area	m ² /g	16	160	
Attrition	wt. %		2	
Side Crush Strength	lbs./mm.		2	
Packaging:				
Supersacks	lbs.	1,8	1,800	
Drums	lbs.	30	300	
Stoichiometric S uptake	wt. %	Ę	5	

07/03



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