

AdE-Ccat™ Product Specifications

Chemical composition:	Nanowires based Cetane number improving catalyst
Physical properties:	
Shape	Extrudates
Color	Dark grey
Average size, mm	1.25 mm in diameter, 10 mm in length
Bulk density, g/ml	0.8
Crush strength, lb/mm	1.2
Hydrotreating conditions:	
Temperature, °C	220-290°C
Reaction pressure, bar	5-14, atmospheric pressure
LHSV of liquid phase fuel, hr ⁻¹	2-6
Benefits:	
	<ul style="list-style-type: none"> ✓ Load after the desulfurization unit and start immediately ✓ Small amount H₂ needed ✓ No byproduct release ✓ Long catalyst lifetime ✓ Improve cetane number by 8-10 units and fuel quality simultaneously ✓ Environmentally benign