

## Less Common Metals SmCo5 Samarium Cobalt Alloy; Co-Reduction

Category : Metal , Electronic/Magnetic Alloy , Nonferrous Metal , Cobalt Alloy

### Material Notes:

This samarium-cobalt alloy is manufactured via the co-reduction of an oxide mix yielding a very fine-grained high performance alloy powder. Co-reduction has now become the industry standard for SmCo5 production. Alloying Additions: Praseodymium and gadolinium are common rare-earth additions to Sm-Co based alloy systems. Form: Dark gray powder, particle size 100% < 300Åµm.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Less-Common-Metals-SmCo5-Samarium-Cobalt-Alloy-Co-Reduction.php](http://www.lookpolymers.com/polymer_Less-Common-Metals-SmCo5-Samarium-Cobalt-Alloy-Co-Reduction.php)

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.050 %	<= 0.050 %	
Boron, B	<= 0.00050 %	<= 0.00050 %	
Calcium, Ca	<= 0.15 %	<= 0.15 %	
Carbon, C	<= 0.030 %	<= 0.030 %	
Cobalt, Co	56.9895 - 67 %	56.9895 - 67 %	
Iron, Fe	<= 0.20 %	<= 0.20 %	
Magnesium, Mg	<= 0.030 %	<= 0.030 %	
Nickel, Ni	<= 0.20 %	<= 0.20 %	
Oxygen, O	<= 0.30 %	<= 0.30 %	
Samarium, Sm	33 - 42 %	33 - 42 %	
Silicon, Si	<= 0.050 %	<= 0.050 %	

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