

Generic RCS Propellant Formulation Calculator

NCO:OH Ratio: 1.00
 Enter Batch Size (g): 3,000

Enter OH Value: 0.81
 Enter % NCO: 22.7%
 OH Eq. Wt.: 1,234.6
 NCO Eq. Wt.: 185.1
 % IDP: 25%

PERCENTAGE	INGREDIENT		
81.00%	200 Micron AP Blend		
1.00%	Aluminum		
		86.96%	99% HTPB
			1% CAO-5
	75%	13.04%	Modified MDI Isocyanate
18.00%	Binder	25%	IDP
100.00%			

Ingredient	% By Weight	Weight, g	Tolerance, g (0.3%)
HTPB	11.62%	348.7	1.0
CAO-5	0.12%	3.5	0.0
IDP	4.50%	135.0	0.4
Aluminum	1.00%	30.0	0.1
Modified MDI Isocyanate	1.76%	52.8	0.2
200 Micron AP Blend	81.00%	2,430.0	7.3
Totals	100.00%	3,000.0	9.0