



# MIRRAL

## Aluminas for Automotive Finish Applications

Demeter Technologies manufactures polycrystalline alumina particles, offering a wide range of morphologies, hardness, and particle sizes, that can be custom tailored to meet the cut rate and surface quality needs for automotive formulators

Aluminum Oxide	Cut Rate	Haze	Hardness	Particle Size		Solids Content	pH (15%)
	10= High Cut	1= Low Haze	1 (Soft) - 10 (Hard)	D50(µm)	D100(µm)		
<b>Fine Polish</b>							
YL-97	2	1	2	0.3-0.5	<3	29-31%	6.5-8.5
YL-98	2	1	2	0.8-1.0	<8	29-31%	6.5-8.5
YL-37	3	1	5	0.9-1.3	≤10	29-31%	8.0-10.0
YL-33	3	1	7	0.9-1.2	≤10	29-31%	9.5-10.5
YL-20	4	2	2	1.4-1.6	≤10	29-31%	10.5-11.5
YL-14	2	2	4	1.3-1.7	≤10	29-31%	8.0-10.0
YL-15	3	2	5	1.3-1.7	≤10	29-31%	8.0-10.0
<b>Good Cut/Fine Finish</b>							
YL-6	3	3	6	2.0-3.0	≤20	Powder	9.5-10.5
YL-72	3	3	3	2.0-2.4	≤20	29-31%	8.0-9.5
YL-31	5	4	6	2.0-3.0	≤25	Powder	8.0-10.0
YL-11	4	3	3	2.5-3.5	<15	Powder	9.5-10.5
YL-13	5	3	5	3.1-6.1	<50	Powder	9.5-10.5
YL-9	5	3	7	3.0-4.5	≤15	Powder	8.0-10.0
<b>Rapid Cut/Good Finish</b>							
YL-21	6	4	7	7.0-8.0	≤50	Powder	8.0-10.0
YL-2	6	5	8	6.0-9.0	≤50	Powder	9.0-11.0
YL- 81	7	4	8	8.0-10.0	≤50	Powder	8.0-10.0
YL-3	7	4	7	9-12	≤60	Powder	9.0-11.0
<b>High Cut</b>							
DA016P/YL-36	7	6	7	9-12	≤75	Powder	9.0-10.5
YL-7	8	7	7	11-15	≤75	Powder	9.0-10.5
YL-24	8	6	8	15-18	≤80	Powder	8.0-10.0
DA008P/YL-38	9	9	8	28-32	≤100	Powder	8.0-10.0