

## DATASHEET FOR CALCIUM CARBONATE GRADES

TECHNICAL SPECIFICATION					
	COATED GRADES		UNCOATED GRADES		
Properties	RCAL-V1C	RCAL-V2C	RCAL-V1	RCAL-V2	RCAL-V5M
<b>PARTICLE SIZE DISTRIBUTION</b>					
• Average Particle Size [D50] pm	3.0±0.5	3.5±0.5	3.0±0.5	3.5±0.5	7±1
• Top Cut [D97] pm	10±1	12±1	10±1	15±1	25±1
• Particles < 2 microns	36 to 40	35 to 38	36 to 40	18 to 21	10 to 15
• Residue on 45 pm Sieve [°/0]	<0.00%	<0.00%	<0.00%	<0.00%	<0.02
<b>OPTICAL PROPERTIES</b>					
• Whiteness [ASTM E313]	96	96	98	98	98
• Yellowness [ASTM 313]	0.3 to 0.45	-0.30 to 0.45	-0.4 to 0.4	-0.30 to 0.4	-0.3 to 0.50
• Brightness [ISO 247]	94	93	95.6	95.5	95
<b>CHEMICAL PROPERTIES</b>					
• Calcium Carbonate [CaCO <sub>3</sub> ]	98.91	98.91	98.81	98.81	98.81
• Magnesium Oxide (MgO)	0.15	0.15	0.18	0.18	0.18
• Iron Oxide [Fe <sub>2</sub> O <sub>3</sub> ]	2.024	2.024	0.01	0.01	0.01
• Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	0.03	0.03	0.029	0.029	0.029
• Silica (SiO <sub>2</sub> )	0.047	0.047	0.095	0.095	0.095
• Acid Insoluble	<0.35%	<0.35%	<0.35%	<0.35%	<0.35%
• Loss on Ignition	43±1%	43±1%	43±1%	43±1%	43±1%
<b>OTHER PROPERTIES</b>					
• Moisture [ 0/0], max	0.2	0.2	0.2	0.2	0.2
• Specific Gravity	2.7	2.7	2.7	2.7	2.7
• pH in 10% Aqueous Suspension	8.0 to 9.0	8.0 to 9.0	8.0 to 9.0	8.0 to 9.0	8.0 to 9.0



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