

DCC YELLOW 2GTM

Green Shade Yellow Inorganic Bismuth Vanadate Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION	
DCC Yellow 2GTM is a green shade yellow plastic grade pigment with excellent heat stability. DCC Yellow 2GTM has outstanding fastness properties and is used in many polymers including most demanding engineering plastics.	

Chemical Type/Common Name	Inorganic / Bismuth Vanadate
Colour Index: Generic Name	Pigment Yellow 184
Colour Index: Constitution No.	771740
CAS Registry No.	14059-33-7
Chemical Name	Bismuth Vanadium Oxide

GENERAL SPECIFICATIONS	
Tint (PVC, K001)	Strength 100 ± 5%
Tint after adjusted strength (PVC, K001)	Max. DE* 1.4, DL* ±0.8, DC* ±0.9, DH* ±0.6

PHYSICAL PROPERTIES	
Specific gravity	3.6 g/cm ³
Oil Absorption	30 g/100g
DOP- Oil Absorption	34 g/100g
Bulk density	0.6 kg/L
Bulk volume	1.6 L/kg
Specific surface area	5.8 m ² /g

PROPERTIES			
Ethyl acetate	Excellent	Soap	Excellent
MEK	Excellent	Ethyl alcohol	Excellent
Wax (Paraffin)	Excellent	Mineral spirits	Excellent
Water	Excellent	Xylene	Excellent
Dilute acid (0.5N)	Very Good - Excellent	Dilute alkali (2.5%)	Excellent

PLASTICS SPECIFIC DATA					
Heat Stability:	290°C in HDPE, 5-minute dwell time / 320°C in PA, 5-minute dwell time This product contains chemically bonded water and at processing temperatures >100°C this water will be released up to maximum of 7.3%.				
Warp Resistance:	(1) No warping (HDPE – plate test) - (1) No warping (HDPE – disc test) (1 = none to minimal warpage, 2 = Some warpage, 3 = Not recommended)				
Weather fastness* Full Shade (0.5%-HDPE)	4-5	Weather fastness* 0.5:1.0 – pigment/TiO₂	5	PVC Migration Resistance	Excellent
Light fastness Full Shade (0.5%-HDPE)	Excellent	Light fastness 0.5:1.0 – pigment/TiO₂	Excellent		

* Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

RECOMMENDED APPLICATIONS FOR PLASTICS			
Fibres – polypropylene	•	Injection molding	•
Film	•	PVC wire and cable	■
Blow molding	•	Engineering resins	•
• Recommended ■ Limited Use ○ Not Recommended			

“Limited Use” for PVC because of water release, better choice is DCC Yellow 2GLMA

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COMPLIANCE FOR PLASTICS					
EU APME: AP(89)1	European Toy Norm: 71-3:1994	Germany: BfR Recommendation IX	EU RoHS	USA-ASTM-Toys	CONEG

WORLDWIDE INVENTORIES REGISTRATION STATUS					
Australia (AICS)	Registered	Canada (DSL)	Registered	China (IECSC)	Registered
Europe (EINECS)	Registered	Japan (ENCS)	Registered	Philippines (PICCS)	Registered
USA (TSCA)	Registered	New Zealand (NZIoC)	Registered	South Korea (KECI)	Registered

TECHNICAL SERVICE LAB APPROVAL					
QUALITY CONTROL LAB APPROVAL					
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