

DCC YELLOW 7180

Green Shade Yellow Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Yellow 7180 is a high performance green shade yellow pigment used in high-end plastic applications where very good dispersion and heat stability is required.

Chemical Type/Common Name	Organic / Benzimidazolone
Colour Index: Generic Name	Pigment Yellow 180
Colour Index: Constitution No.	21290
CAS Registry No.	77804-81-0
Chemical Name	2,2' - [Ethylenebis(oxyphenyl-2, 1-eneazo)]bis[N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-butanamide

SPECIFICATIONS

Depp Tone (1:3)	Max. Delta E* 2.0 of Standard (DCC TM 4229)
Tint Strength (1:10)	± 5% of Standard (DCC TM 4229)
Filter Pressure Value	± 10 Bar of Standard (DCC TM 4236)

PHYSICAL PROPERTIES

Specific Gravity	1.38 (DCC TM 3101B)
Oil Absorption	53 (ASTM D-281-84- Fasig Method)
Moisture	<1.0% max. (ASTM D-280-81)
% Halogen Content	Halogen Free

PROPERTIES

MEK	Very Good	Mineral Spirits	Excellent
Ethyl Acetate	Excellent	DBP	Excellent
Ethyl Alcohol	Excellent	Xylene	Very Good
Water	Excellent	Dilute Alkali	Very good
Dilute Acid	Good		
Heat Stability: Heat Stable to 280°C (536°F), 5-minute dwell time, 1% pigmented H.D.P.E.			
Warp Resistance: 1 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)			
Bleed Resistance in PVC: 5 (5 = Excellent & 1 = Poor)			
Weatherfastness⁽¹⁾ Masstone	3	Weatherfastness⁽¹⁾ 1:10 TiO₂ Tint	1

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

RECOMMENDED APPLICATIONS

Fibres – polypropylene	•	Injection molding	•
Film	•	PVC Wire and Cable	•
Blow molding	•	Engineering Resins	○
• Frequently used ■ Limited Use ○ Not Normally Used			

COMPLIANCE

USA: ASTM-Toys	FDA (USA)	EU APME: AP(89)1	EU RoHS	Germany: BfR	CONEG	French Positive List
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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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