

DCC YELLOW 7183XS

Red Shade Yellow Monoazo Pigment



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SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 7183XS is a red shade yellow pigment approved for use in food packaging materials. It is also suitable for plastics applications where very good heat stability and weatherfastness are required.

Chemical Type/Common Name	Organic/Monoazo
Colour Index: Generic Name	Pigment Yellow 183
Colour Index: Constitution No.	18792
CAS Registry No.	65212-77-3
Chemical Name	4,5-Dichloro-2-((5-hydroxy-3-methyl-1-(3-sulphophenyl)-1H-pyrazol-4-yl)azo)benzenesulfonic acid, calcium salt(1:1)

SPECIFICATIONS	
Tint Shade	Max. Delta E* 1.5 of Standard (DCC TM 4205A)
Tint Strength (apparent)	± 5% of Standard (DCC TM 4205A)
Filter Pressure Value	± 10 Bar of Standard (DCC TM 4236)

Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.

Note: Test Methods available from DCC on request.

PHYSICAL PROPERTIES	
Specific Gravity	1.53 g/cc (DCC TM 3101B)
Oil Absorption	54 (ASTM D-281-84- Fasig Method)
Moisture	<2% max. (ASTM D-280-81)
% Halogen Content	% Cl = 12.98

PROPERTIES			
MEK	Very Good	Linseed oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Excellent
Water	Good	Xylene	Very Good
Dilute Acid	Excellent	Dilute Alkali	Excellent
Heat Stability:	Heat Stable to 320°C+ (608°F+), 5-minute dwell time, 0.2% pigmented H.D.P.E. (1:10 TiO ₂ tint)		
Warp Resistance:	1 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)		
Weatherfastness Full Strength (Florida)	Good	Weatherfastness TiO₂ Tint (1:10) (Florida)	Poor

RECOMMENDED APPLICATIONS			
Fibres – Polypropylene	•	Injection Molding	•
Film	•	PVC Wire and Cable	•
Blow Molding	•	Engineering Resins	• (ABS)
• Frequently used		■ Limited Use	○ Not Normally Used

COMPLIANCE							
USA: FDA	USA: ASTM-Toys	EU APME: AP(89)1	European Toy Norm: 71-3-1994	EU RoHS	Germany: BfR	CONEG	French Positive List

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

TECHNICAL SERVICE LAB APPROVAL		
QUALITY CONTROL LAB APPROVAL		
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