DCC Yellow 7391

Red Shade Yellow Pigment

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 7391 is a high-performance red shade yellow pigment used in many types of plastic applications where excellent heat stability and resistance properties are required.

Chemical Type/Common Name	Organic / Monoazo
Colour Index: Generic Name	Pigment Yellow 191
Colour Index: Constitution No.	18795
CAS Registry No.	129433-54-7
Chemical Name	Benzenesulfonic acid, 4-chloro-2-[[4,5-dihydro-3-methyl-5-oxo-1-(3-sulfophenyl)-1H-pyrazole-4-yl],n-5-methyl,calcium salt (1:1)

SPECIFICATIONS		
Deep Tone (1:3)	Max. Delta E* 2.0 of Standard	(DCC TM 4205A)
Light Tone (1:10)	± 5% of Standard	(DCC TM 4205A)
Filter Pressure Value	± 10 Bar of Standard	(DCC TM 4236)

PHYSICAL PROPERTIES		
Specific Gravity	1.75	(DCC TM 3101B)
Oil Absorption	44	(ASTM D-281-84- Fasig Method)
Moisture	< 3.0%	(ASTM D-280-81)

PROPERTIES			
MEK	Very Good	**Ethyl Alcohol**	Good
Ethyl Acetate	Excellent	**Mineral Spirits**	Excellent
Water	Very Good	**Xylene**	Excellent
Dilute Acid	Excellent	**Dilute Alkali**	Fair
Heat Stability: Heat Stable to 300ºC (572ºF), 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: 4 (5 = Very Good & 1 = Poor)			
Weatherfastness (1) **Full Strength**	3	**Weatherfastness** (1) **TiO_2 Tint (1:10)**	1
Lightfastness (2) **Full Strength**	7	**Lightfastness** (2) **TiO_2 Tint (1:10)**	6

(1) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)
(2) Assessment was made using the Blue Wool Scale (1 = very poor, 8 = outstanding)

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

TECHNICAL SERVICE LAB APPROVAL			
QUALITY CONTROL LAB APPROVAL			
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The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in their own laboratory.