DCC KROLOR® ORANGE KO 789

Yellow Shade Molybdate Orange Pigment

Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC KROLOR® ORANGE KO 789 is a yellow shade moly orange with superior heat stability for high-end plastic applications.

Chemical Type/Common Name	Inorganic - Molybdate (silica encapsulated)
Colour Index: Generic Name	Pigment Red 104
Colour Index: Constitution No.	77605
CAS Registry No.	12656-85-8
Chemical Name	Co-precipitate of lead chromate, lead molybdate and lead sulphate.

SPECIFICATIONS		
Masstone Shade	Max. DE* 1.6 of Standard DL* -0.8/0.8, Da* -0.9/0.9, Db* -1.1/1.1	(DCC TM 4129)
Tint Hue	Max. DE* 1.2 of Standard DL* -0.5/0.5, Da* -0.8/0.8, Db* -0.8/0.8	(DCC TM 4129)
Tint Strength (apparent)	± 5% of Standard	(DCC TM 4129)
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.		

PHYSICAL PROPERTIES		
Specific Gravity	4.06	(DCC TM 3101B)
Oil Absorption	21	(ASTM D-281-84- Fasig Method)
Moisture	<1.5%	(ASTM D-280-81)

PROPERTIES			
Ethyl Acetate	Excellent	**D.B.P.**	Excellent
Glycol	Excellent	**Ethyl Alcohol**	Excellent
MEK	Excellent	**Linseed Oil**	Excellent
Wax (Paraffin)	Excellent	**Mineral Spirits**	Excellent
Water	Excellent	**Xylene**	Excellent
Dilute Acid	Good	**Dilute Alkali**	Good
Heat Stability:	290ºC+, 5-minute dwell time, 1:3 SD / H.D.P.E.		
Weatherfastness(1) **Full Strength**	4	**Weather fastness(1)** **Tint 1:10 TiO_2**	5
Lightfastness **Full Shade**	Very Good	**Lightfastness** **1:10 Tint**	Excellent

(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	

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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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.