DCC YELLOW 3RLM

Lemon Shade Yellow Inorganic Bismuth Vanadate Pigment

Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 3RLM is a lemon shade yellow pigment with excellent durability properties. DCC Yellow 3RLM exhibits high saturation, high opacity and is recommended for use in high-grade industrial and automotive paints.

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	
Volatile Content (X005)	Max. 1.0%
Conductivity (X017)	Max. 500 (µS/cm)
pH (X018)	6.8 – 7.8
Masstone Shade (L003)	Max. DE* 1.2, DL* ±0.5, DC* ±0.8, DH* ±0.7
Tint (L003)	Strength 100 ± 5%, Max. DE* 1.3, DL* ±0.7, DC* ±0.8, DH* ±0.7
Tint after adjusted strength (L003)	Max. DE* 1.0, DL* ±0.5, DC* ±0.7, DH* ±0.7

PHYSICAL PROPERTIES	
Specific gravity	5.3 g/cm^3
Oil absorption	28 g/100g
Bulk density	0.8 kg/L
Bulk volume	1.3 L/kg

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	
Over-paint bleed resistance (120°C/30 minutes)	Excellent				
Heat Resistance:	120°C/60 minutes – Excellent		150°C/10 minutes – Excellent	200°C/10 minutes – Excellent	
Weather fastness*) Full Shade	4-5	**Weather fastness*) Tint 1:1 TiO2**	5	**Weather fastness*) Tint 1:10 TiO2**	5
Light fastness Full Shade	Excellent	**Light fastness Tint 1:1 TiO2**	Excellent	**Light fastness Tint 1:10 TiO2**	Excellent

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

RECOMMENDED APPLICATIONS FOR COATINGS			
Architectural Water & Universal	●	**Coil Coatings**	●
Architectural Solvent	●	**Automotive Coatings**	●
Industrial Fast Air Drying	●	**Powder Coatings**	●
Industrial Oven Cured	●		

● Recommended ■ Limited Use ○ Not Recommended

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			
DATE OF ISSUE	21st December 2011	***PAGE 1 OF 1***	Ver. # 4.0

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.