

Technical Data Sheet

Organic Pigments for Plastic & Masterbatch

ResunPlas™ 1217 Permanent Yellow 2G

C.I. Pigment Yellow 17 (C.I. 21005)

CAS No. 4531-49-1

EINECS No. 224-867-1

Chemical Class: Diarylide

Description:

A Diarylide Yellow with brilliant greenish shade, high gloss and excellent tinting value, it has a greener shade than Pigment Yellow 12 and Pigment Yellow 14. The combination with Pigment Yellow 83 gives intermediate yellow shade with good lightfastness and transparency. This pigment has moderate migration fastness.

Application:

ResunPlas1217 Permanent Yellow 2G is a popular yellow pigment used in low to medium temperature plastic and rubber application.

LL/LDPE	HDPE	PP	PP FIBER	SPVC	UPVC	PS	ABS	PA6	PET	TPR/TPE	EVA	RUBBER
●	●	◎	-	●	●	◎	●	-	◎	●	◎	◎

Note: ● Recommended Application ◎ Limited Suitability - Not Recommended



Full Shade
(0.2% Pigment)



Reduced Shade
(0.1% Pigment + 1% TiO₂)

Physical Properties:

Specific Gravity :	1.30-1.50 g/cm ³
Moisture :	1.5% max.
Water Soluble Salts :	1.5% max.
Specific Surface :	54-85m ² /g
Bulk Volume :	3.8-4.2 l/kg
Average particle size :	150-200 um
Oil Absorption :	40-77g/100g
Electrical Conductivity :	500 µs/cm max.
pH Value :	5.0-7.5

Heat Stability (10 mins):

0.2% Pigment :	200°C
0.1% Pigment :	200°C
0.05% Pigment :	190°C

Fastness Properties in PE:

Light (Full shade) :	6-7
Light (Tint) :	5-6
Migration :	4-5

Solvent Resistance:

Alkali :	5
Acid :	5
Ethanol :	5
Ethyl acetate :	4
MEK :	4
Toluene :	4
White Spirit :	4
DBP :	4
Paraffine :	5

Remarks: Fastness Properties are assessed on 1-5 scale except Light Fastness is assessed on 1-8 scale.

Note: The above information is provided as guidelines only and to the best of our knowledge true and accurate. Due to the display limitation, the above colour shades may not be exactly same as the true pigment colours. We strongly recommend a careful testing & screening before using the pigments in production.

For more information, please visit <http://www.resuncolour.com> or contact sales@resuncolour.com