

Technical Data Sheet

Organic Pigments for Plastic & Masterbatch

ResunPlas™ 1203 Benzidine Yellow 2RT

C.I. Pigment Yellow 12 (C.I. 21090)

CAS No. 6358-85-6

EINECS No. 228-787-8

Chemical Class: Diarylide

Description:

Benzidine Yellow is a diarylide aniline yellow pigment, light reddish hue, semitransparent.

Application:

ResunPlas1203 Benzidine Yellow 2RT is recommended for most plastic application where a moderate light fastness.

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 :	1.34-1.56 g/cm ³
Moisture :	1.5% max.
Water Soluble Salts :	1.5% max.
Specific Surface :	20-50m ² /g
Bulk Volume :	2.7-3.9 l/kg
Average particle size :	0.1-0.22 um
Oil Absorption :	20-80g/100g
Electrical Conductivity :	500 µs/cm max.
pH Value :	5.0-8.0

Heat Stability (10 mins):

0.2% Pigment :	190°C
0.1% Pigment :	180°C
0.05% Pigment :	180°C

Fastness Properties in PE:

Light (Full shade) :	5-6
Light (Tint) :	3-4
Migration :	3

Solvent Resistance:

Alkali :	5
Acid :	5
Ethanol :	5
Ethyl acetate :	4-5
MEK :	4-5
Toluene :	3-4
White Spirit :	4-5
DBP :	5
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.