

Technical Data Sheet

Organic Pigments for Plastic & Masterbatch

ResunPlas™ 1191 Fast Yellow HGR C.I. Pigment Yellow 191 (C.I. 18795)

CAS No. 129423-54-7

EINECS No. 403-530-4

Chemical Class: Monoazo Pyrazolone, Ca

Description:

A high performance yellow pigment with reddish hue featuring good light fastness, weather fastness, durability, easy dispersion and good migration resistance in most polyolefine, very good heat stability upto 280C.

Application:

ResunPlas1191 Fast Yellow HGR is suggested using in most plastic application including PE, PP, PVC, PS, PC, PU, EVA and etc.

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 :	1.70-1.80 g/cm ³
Moisture :	1.5% max.
Water Soluble Salts :	1.5% max.
Specific Surface :	10-30m ² /g
Bulk Volume :	3.0-4.0 l/kg
Average particle size :	120-250 um
Oil Absorption :	40-60g/100g
Electrical Conductivity :	500 µs/cm max.
pH Value :	6.5-7.5

Heat Stability (10 mins):

0.2% Pigment :	280°C
0.1% Pigment :	280°C
0.05% Pigment :	280°C

Fastness Properties in PE:

Light (Full shade) :	7-8
Light (Tint) :	7
Migration :	5

Solvent Resistance:

Alkali :	5
Acid :	5
Ethanol :	5
Ethyl acetate :	5
MEK :	5
Toluene :	5
White Spirit :	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.