

Technical Data Sheet

Organic Pigments for Plastic & Masterbatch

ResunPlas™ 3116 Fast Red 2BP

C.I. Pigment Red 48:2 (C.I. 15865:2)

CAS No. 7023-61-2

EINECS No. 230-303-5

Chemical Class: BONA, Ca

Description:

A Calcium Salt 2B red pigment with bluish shade, it is bluer than Red 48:1 and yellower than Red 57:1, good heat resistance, ultrafine particle size of 500+ mesh passed, easy dispersion and good migration resistance.

Application:

ResunPlas3116 Fast Red 2BP is recommended for various plastics applications and resins such as PE, HDPE, PP, PS and PVC. Primarily used for PP masterbatch of fiber grade.

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 :	1.60-1.80 g/cm ³
Moisture :	1.5% max.
Water Soluble Salts :	1.5% max.
Specific Surface :	30-60m ² /g
Bulk Volume :	2.2-2.6 l/kg
Average particle size :	20-30 um
Oil Absorption :	35-55g/100g
Electrical Conductivity :	500 µs/cm max.
pH Value :	7.0-8.0

Heat Stability (10 mins):

0.2% Pigment :	220°C
0.1% Pigment :	220°C
0.05% Pigment :	210°C

Fastness Properties in PE:

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

Solvent Resistance:

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

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.