



The Shepherd Color Company  
We Brighten Lives

# Orange 10C341 CI Pigment Yellow 216

## Key Features

- Chromium and Lead Free Formula
- Excellent Opacity
- Aesthetically Pleasing Color
- Excellent way to shift colors redder without losing chroma
- Compatible with Most Resin Systems
- High Total Solar Reflectance
- Excellent Chemical Resistance
- Excellent Weathering
- High Heat Stability

## Example Uses

- Water, solvent and powder coatings and dispersions
- Automotive, Industrial, Building Products, OEM, Agricultural, Traffic and others
- Replacement of regulated materials based pigments
- Blended with organic colored pigments to improve their durability and opacity
- Component in RAL2000 and RAL1000 shades
- Blended with other pigments for high solar reflective coatings

## Regulatory Compliance

- Toy Safety EN71.3
- Council of Europe AP(89)1
- AS 2070-1999
- TCLP
- BfR
- CONEG
- ELV 2000/53/EC
- RoHS 2000/95/EC
- WEEE 2002/96/EC
- Packaging 94/62/EC

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Masstone



Tint



[www.shepherdcolor.com](http://www.shepherdcolor.com)

# Technical Information

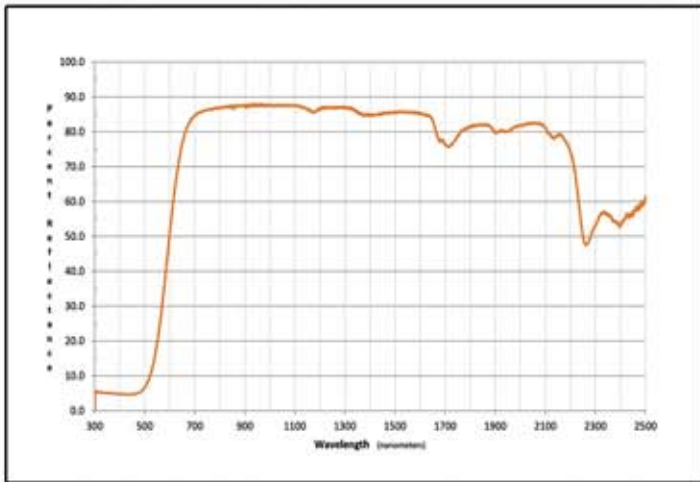
## Orange 10C341

CI Pigment Yellow 216

Rutile Tin Zinc

IR Properties: TSR: 65%

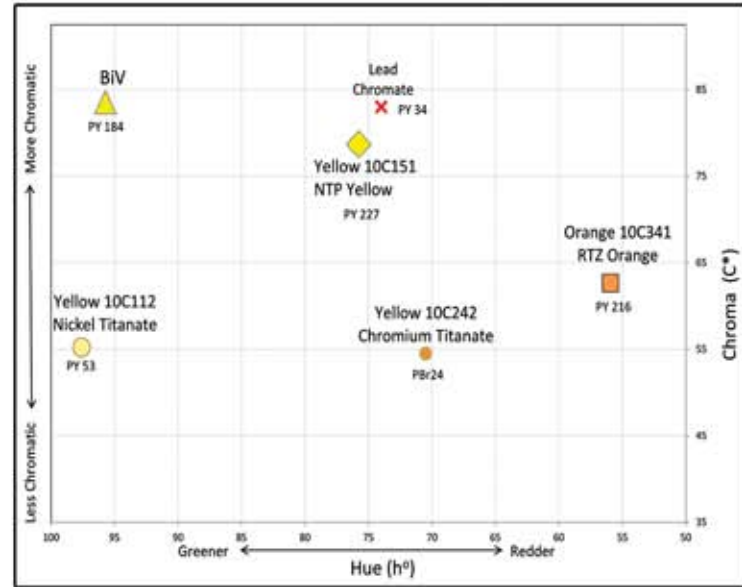
Orange 10C341 is part of the ARCTIC® range for coatings and can be used widely in color matches to minimize HBU (Heat Build-Up)



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## Color Space



Masstone	L*	a*	b*	C*	h°
NTP Yellow 10C151	78.3	20.9	81.7	84.3	75.7
RTZ Orange 10C341	58.5	38.4	57.4	69.1	56.2

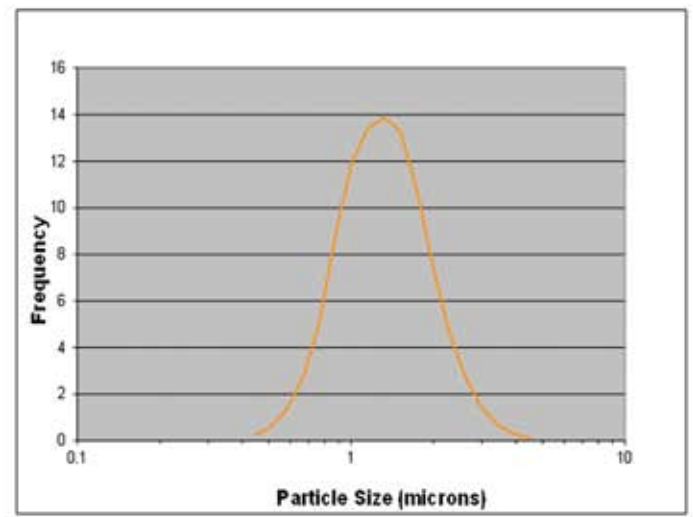
4:1 Tint	L*	a*	b*	C*	h°
NTP Yellow 10C151	89	3.3	40.2	40.4	85.3
RTZ Orange 10C341	83.7	13.5	22.3	26.1	58.8

## Typical Physical Properties Orange 10C341

	Typical Value
% Retain at 325 Mesh	0.02
% Moisture	0.6
Loose Packing Density (lbs/gal)	6.4
(kg/L)	0.80
pH in Water	8.5
Conductivity (µS/cm)	110
BET Surface Area (m <sup>2</sup> /g)	7.3
Oil Absorption (g/100g pigment)	19
Heat Stability	320°C
	600°F
Particle Size (microns)	1.3

## Particle Size

Average particle size: 1.3 Microns



These values are typical values and are not construed to be specifications. All properties are dependent on formulation of complete product.

Please check with your sales rep for availability in your area.