



The Shepherd Color Company
We Brighten Lives

Yellow 10C151

CI Pigment Yellow 227

Key Features

- Chromium and Lead Free Formula
- Excellent Opacity
- Aesthetically Pleasing Color
- Compatible with Most Coatings Systems
- High Total Solar Reflectance (TSR)
- 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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EUROPE

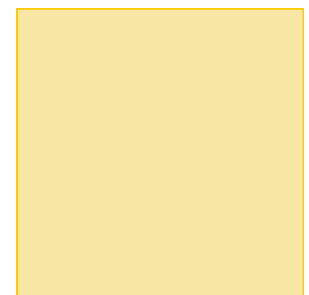
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Masstone



Tint



www.shepherdcolor.com

Technical Information

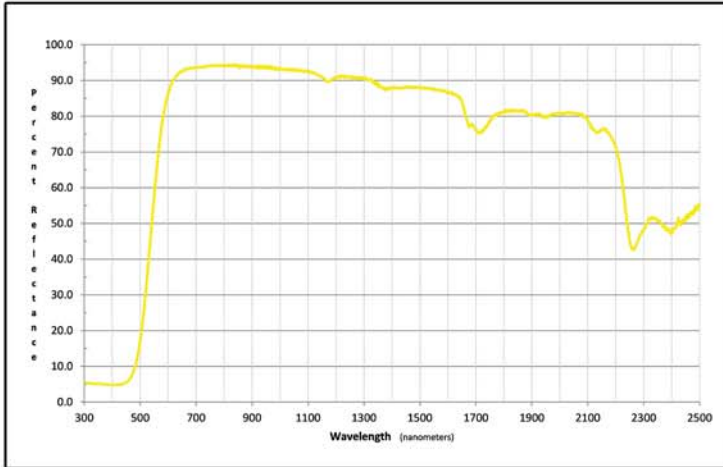
Yellow 10C151

CI Pigment Yellow 227

Niobium Tin Pyrochlore

IR Properties: TSR: 75%

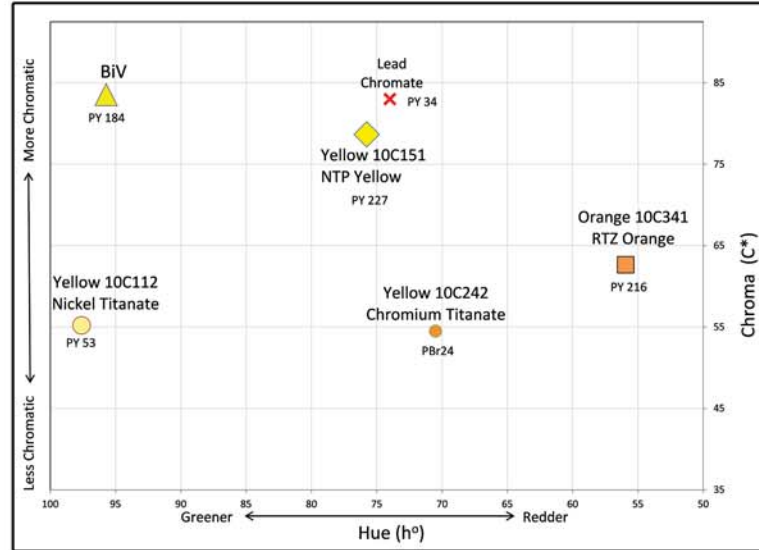
Yellow 10C151 is part of the ARCTIC® range for coatings and can be used widely in color matches to minimize HBU (Heat Build-Up)



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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					
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

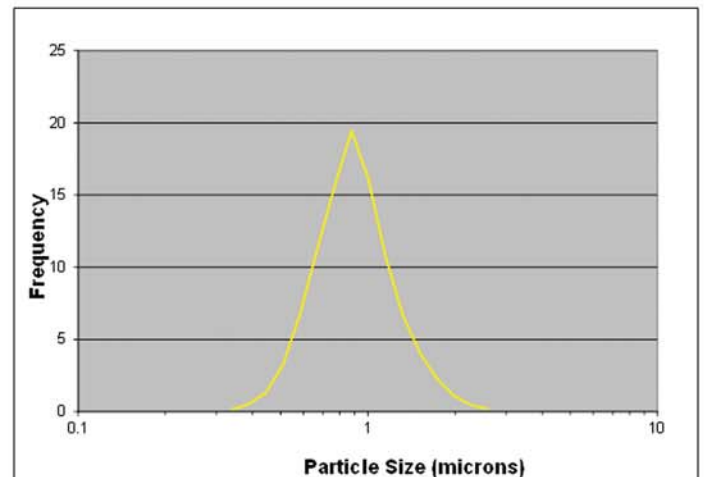
Typical Physical Properties

Yellow 10C151

	Typical Value
% Retain at 325 Mesh	0.01
% Moisture	0.1
Loose Packing Density (lbs/gal)	6.7
(kg/L)	0.80
pH in Water	5.4
Conductivity (µS/cm)	14
BET Surface Area (m ² /g)	3.5
Oil Absorption (g/100g pigment)	11
Heat Stability	320°C
	600°F
Particle Size (microns)	0.9

Particle Size

Average particle size: 0.9 Microns



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