

Blue 10G513

CI Pigment Blue 86

Key Features

- Bright blue color
- High Total Solar Reflectance (TSR)
- High UV opacity
- Excellent visual opacity
- No cobalt content
- No cobalt absorption band in n-IR
- Higher TSR colors when blended with IR blacks

Applications

- Paints
- Coatings
- Plastics and polymers
- Inorganic coatings
- Plasters and glass enamels

Example Uses

- High-performance IR-reflective building products

- Pre-painted metal
- Roofing granules
- Polymeric roofing
- Roofing tiles

- IR Signal Management
- Anti-counterfeiting features
- Glass enamels
 - Spandrel and decorative

Regulatory Compliance

- Packaging 94/62 EC
- AP(89)1
- AS 2070-1999
- TCLP
- ELV 2000/53/EC
- RoHS 2000/95/EC
- WEEE 2002/96/EC
- CONEG
- EN 71.3

This chemistry has a Low Volume Exemption from the US EPA TSCA Inventory for the use only in industrial coatings and plastics. Global restrictions and regulatory requirements on other applications must stay. Other restrictions based on national registry of chemicals may affect the availability and the use of this pigment.

For Regulatory certifications inquire at:
RegulatoryAffairs@shepherdcolor.com

USA

Phone: 513-874-0714
Fax: 513-874-5061
Salesusa@shepherdcolor.com

EUROPE

Phone: + 32-9-366-11-11
Fax: + 32-9-366-11-21
Europe@shepherdcolor.com

AUSTRALIA / ASIA

Phone: + 613-9532-2632
Fax: + 613-9553-5844
Melbourne@shepherdcolor.com

JAPAN

Phone: + 813-3344-3010
Fax: + 813-3344-3027
Sales@shepherdjapan.com

www.ShepherdColor.com



The Shepherd Color Company

We Brighten Lives



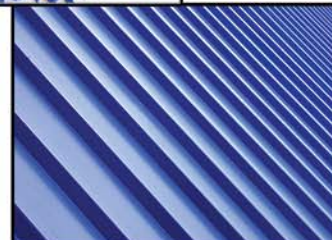
Masstone



**4:1 Tint
TiO₂/Blue**



ARCTIC[®]
Infrared Reflective Pigments



Technical Information

Blue 10G513

CI Pigment Blue 86

Indium Manganese Yttrium Oxide



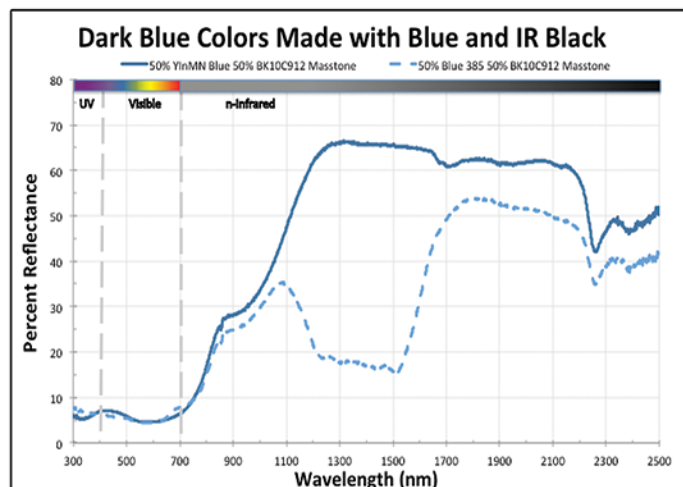
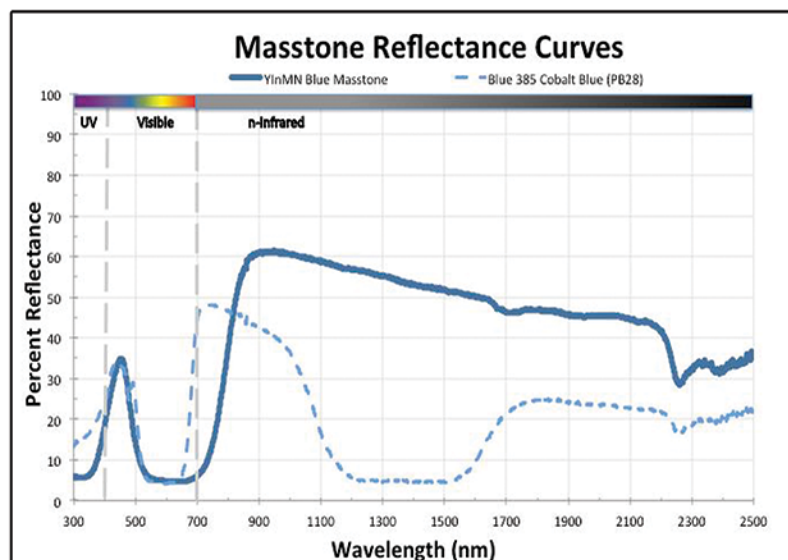
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IR Properties: TSR: 32%

Blue 10G513 is part of the ARCTIC® range for coatings and plastics and can be used widely in color matches to minimize HBU (Heat Build-Up)

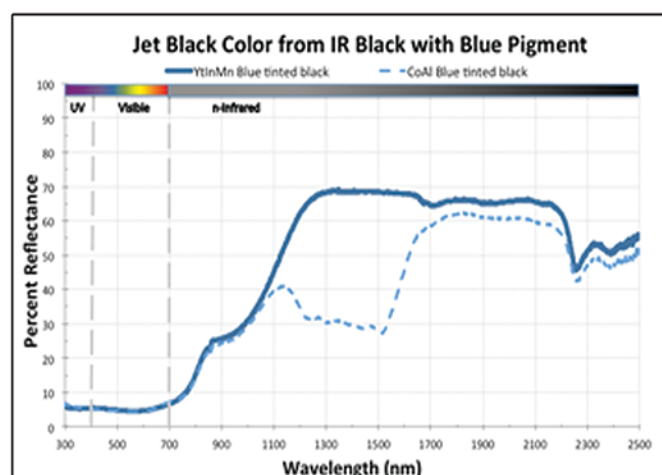
Color Space



PVDF/acrylic	L*	a*	b*	% T SR
50% BK10C912 & 50% Blue 385	25.7	0.9	-4.4	15.8
50% BK10C912 & 50% YinMn Blue	28.5	1.1	-7.5	25.2

Typical Physical Properties Blue 10G513

	Typical Value
% Retain at 325 Mesh	0.01
% Moisture	0.2
Specific Gravity	5.9
pH in Water	7.2
Conductivity (µS/cm)	16
BET Surface Area (m ² /g)	2.4
Oil Absorption (g/100g pigment)	9
Heat Stability	800°C 1,500°F
Particle Size (Microns)	1.3



PVDF/acrylic	L*	a*	b*	ΔL*	Δa*	Δb*	ΔE*	% T SR
Black 10C912	24.8	1.9	0.8	-	-	-	-	24.5
75% BK10C912 & 25% Blue 385	25.1	1.4	-1.1	0.3	-0.5	-1.9	2.0	18.1
75% BK10C912 & 25% YinMn Blue	25.4	1.5	-2.3	0.6	-0.4	-3.1	3.2	24.7

Particle Size Distribution

Mean Particle Size: 1.3 microns

