

# Black 10G996

CI Pigment Brown 29

CAS # 12737-27-8

## Key Features

- Deep Masstone Color
- High Total Solar Reflectance (TSR)
- High Tint Strength

## Applications

- Paints
- Coatings
- Plastics and Polymers
- Silicate Coatings and Plasters
- Porcelain and Glass Enamels

## Example Uses

- High-performance IR-reflective building products
- Pre-painted Metal
- Roofing Granules
- Polymeric Roofing
- Roofing Tiles
- Window and Door Profiles
- Laminates and Films
- WPC Decking and Profiles
- Personal Care and Comfort Items
- Seating
- Ergonomic Cooler Touch Materials

## Regulatory Compliance

- Council of Europe AP(89)1
- AS 2070-1999
- BfR
- ELV 2000/53/EC
- RoHS 2011/65/EC
- WEEE 2002/96/EC

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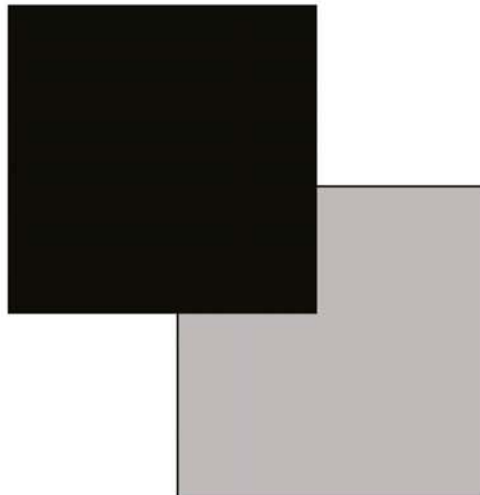
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*The Shepherd Color Company*

We Brighten Lives



**ARCTIC**<sup>®</sup>  
Infrared Reflective Pigments



# Technical Information

## Black 10G996

### CI Pigment Brown 29

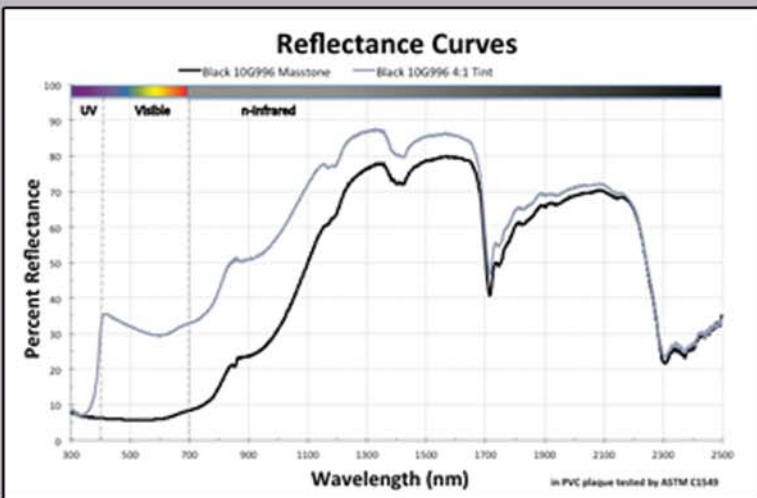


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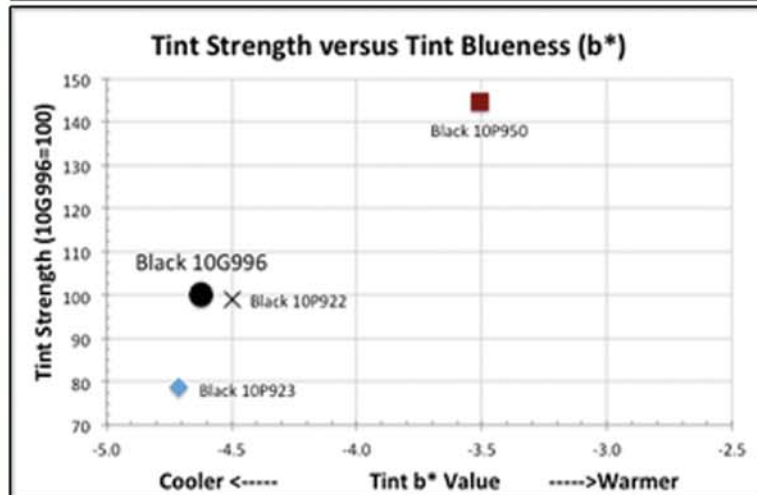
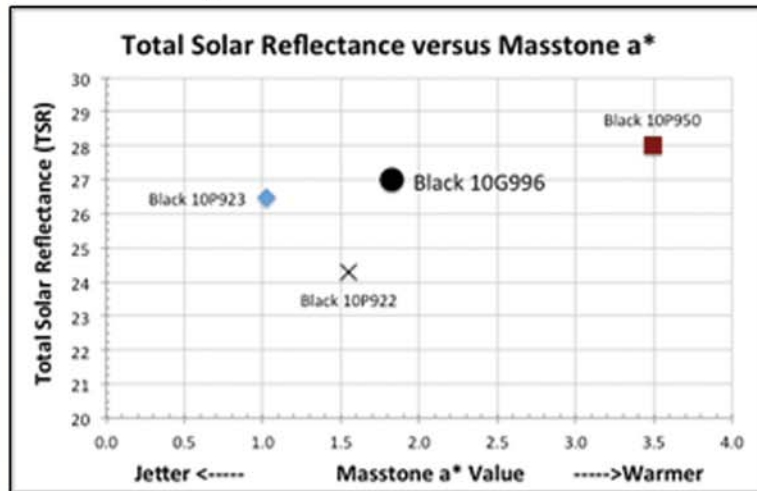
## IR Properties

Total Solar Reflectance (TSR):  
PVC: 27      PVDF/acrylic: 26.5

Black 10G996 is part of the Arctic® range.



## Color Space



## Typical Physical Properties

### Black 10G996

Typical Value	
% Retain at 325 Mesh	0.01
% Moisture	0.2
Density (g/cm <sup>3</sup> )	5.4
pH in Water	8.5
Conductivity (μS/cm)	174
BET Surface Area (m <sup>2</sup> /g)	2.9
Oil Absorption (g/100g pigment)	9
Heat Stability	800°C (1,500°F)
Mean Particle Size (microns)	1.2

Black 10G996 provides higher tint strength than 10P923, but not as jet of a masstone. Black 10P950 is higher in tint strength, but it is warmer in tone in both masstone and tint. These three pigments provide a 'Black Rainbow' of options when choosing an IR Black pigment optimized for your application. Black 10G996 is an improvement over the standard Black 10P922.

## Particle Size

Mean particle size- 1.2 Microns

