



# 462 Carbon Black

**Description:** 462 is an easy dispersing blue tone black powder with low oil absorption.

<b>Chemical Type</b>	Carbon Black	<b>Constitution No.</b>	77266
<b>Color Index</b>	Pigment Black 7	<b>CAS No.</b>	1333-86-4

## Typical Chemical and Physical Properties

<b>Jetness Index</b>	99
<b>Surface Area (m<sup>2</sup>/g)</b>	25
<b>DPB Absorption (cc/100g)</b>	72
<b>Tinting Strength Index</b>	58
<b>Particle Size (nm)</b>	75
<b>Volatile Content (%)</b>	1.2
<b>Density (g/cm<sup>3</sup>)</b>	1.7 – 1.9
<b>Residue (325 mesh) - ppm</b>	150
<b>pH</b>	≥ 7.0
<b>Ash Content (%)</b>	0.60
<b>Decomposition Temperature</b>	572°F / 300°C

## Applications

Plastics		Coatings		Inks		Other	
PVC	■	Decorative	■	Water Flexo		Paper	
PE	■	Automotive/Aerospace		Solvent Flexo		Rubber	
PP	■	Industrial	■	InkJet		Finger Paints	
PS	■	Powder	■	UV		Seed Coatings	
PET				Offset			

### Fiber

Not Frequently Used     Limited     Recommended

**Comments:** 462 is recommended primarily for plastics and water based coatings dispersions.

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