



# UPL-A105 Ultramarine Blue

**Description:** UPL-A105 is a medium green shade ultramarine blue, with good alkali resistance. FDA approved (Section 178-3297).

<b>Chemical Type</b>	Ultramarine Blue	<b>Constitution No.</b>	77007
<b>Color Index</b>	Pigment Blue 29	<b>CAS No.</b>	57455-37-5

## Resistance Properties

<b>MEK</b>	5	<b>Ethanol</b>	5
<b>Water</b>	5	<b>Ethyl Acetate</b>	5
<b>Mineral Spirits</b>	5	<b>Acid</b>	1
<b>Xylene</b>	5	<b>Alkali</b>	3

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

## Product Characteristics

<b>Migration (1-5)</b>	5	<b>Lightfastness (1-8): Masstone</b>	7-8
<b>Heat Stability (°C/°F)</b>	350°C (HDPE)	<b>Lightfastness (1-8): Tint 1:10</b>	7-8
<b>Warpage Rating (1-3) * Plastic Only</b>	1	<b>Weatherfastness (1-5): Masstone</b>	
<b>Overpaint Resistance * Paints Only</b>	5	<b>Weatherfastness (1-5): Tint 1:10</b>	

Warpage: 1 = minimal, 2 = some, 3 = severe    Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent    Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

## Physical Properties

<b>Particle Size (µm)</b>	1.8	<b>Tap Density (g/cc)</b>	0.50-8.0
<b>Specific Surface Area (m²/g)</b>		<b>Specific Gravity</b>	2.35
<b>Oil Absorption (g/100g)</b>	35-37	<b>Bulk Density (kg/L)</b>	
<b>Moisture Content (%)</b>	1.0	<b>Soluble Salts (%)</b>	1.0
<b>Free Sulphur (ppm by weight)</b>	200	<b>Sieve Residue - 45µm (%)</b>	0.2

## 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:

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