DCL-8120NM Syn Micronized Red Iron Oxide, PR.101

Lanox Iron Oxide

Description: DCL-8120NM is a yellow shade red micronized synthetic red iron oxide. DCL-8120NM is FDA approved (Section 178.3297).

Chemical Type	Syn Micronized Red Iron Oxide	**Constitution No.**	77491
Color Index	Pigment Red 101	**CAS No.**	1309-37-1

Typical Chemical and Physical Properties

Fe Content (Fe_2O_3) - % Min.	96
Volatile Matter (220°F) - % Max.	1.0
pH	4.5 – 7.5
Particle Shape	Spherical
Water Soluble Salts (% Max.)	0.80
Oil Absorption (g/100g)	28
Sieve Residue (325 mesh) - % Max.	0.008
Tamped Apparent Density (g/cm^3)	0.70 – 1.00
Density (g/cm^3)	5.0
Heat Stability	499°C (HDPE)
Moisture Content (%)	<1.0
Weatherfastness	5
Lightfastness	8

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

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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