



Neolor™ Light Orange H

Pigment Orange 78



Regulatory Information:

C.I. Number: 772850
 CAS Registry Number: 12014-93-6/12031-49-1
 TSCA (US): Registered
 EINECS No. (EC): Listed
 NDSL (Canada): Listed
 CSCL (Japan): Listed
 KECL (Korea): Listed
 IECS (China): Listed
 Purity Requirements: Heavy metals content and free primary amine content do not exceed the limits of CONEG, Toy Regulation EN 71/3, European Resolution AP(89)I, and German BfR Recommendation IX (purity of colorants for plastics).

Suitable Resins:
 ABS, Nylon, PBT, PC, PE, PET, PP, PS

Heat Stable:
 >320°C for 5 minutes in PA 66 at 0.5% loading

Shade Comparison to Neolor™ Orange S:
 Neolor™ Light Orange H is slightly greener and less bright than Neolor™ Light Orange S, with a Delta E difference of ~7 units in a masstone plaque.

Specifications:

Melting Point: > 300°C
Migration: No bleeding observed (tested in LDPE, HDPE, PP, PS, ABS, and PC)
Distortion: No warping observed (tested in HDPE)
Specific Gravity (g/cm³): 5

Apparent Density (g/cm³): 0.6-1.2
Typical particle size (µm): 1.0-2.0
Sieve Residue: 325 mesh-44 µm (%) < 0.3
Hardness (Mohs): 4-5
Oil Absorption (g/100g): 20-28

Lightfastness (ISO 4892-2):

PA 66	Masstone:	8	(1.0% Dye)
PC	Masstone:	8	(0.05% Dye)