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## TECHNICAL DATA SHEET

### Product Description:

Product Name: Iron Oxide Yellow 311M  
Color Index: Pigment Yellow 42  
C.I.NO.: 77492  
Chemical Nature: alpha-FeOOH  
CAS No.: 20344-49-4  
Chemical Formulation: Fe<sub>2</sub>O<sub>3</sub>· αH<sub>2</sub>O

### IRON OXIDE YELLOW 311M



Full Shade



Reduced Shade

### Physical Data:

Appearance: Yellow Powder  
Density (g/cm<sup>3</sup>): 4.0  
Moisture (%): ≤1.0  
Water Soluble Matter (%): ≤0.5  
Oil Absorption (g/100g): 25-35  
Fineness (325mesh wet method) %: ≤0.05  
PH Value: 4.0-7.0

### Fastness Properties (5=excellent, 1=poor):

Bleeding Resistance: 5  
Migration Resistance: -  
Light Fastness (8=excellent): 8  
Heat Resistance °C: 160  
Acid Resistance: 5  
Alkali Resistance: 5

### Product Features:

Iron Oxide Yellow 311M is micronized iron oxide with stronger tinting strength, better dispersibility and higher gloss.

### Recommended Application:

High performance Paint and Plastic.