

Technical Data Sheet**Umber Pigments**

Huntsman produces and markets a complete line of umber products. This line of products includes both raw and burnt umbers and is characterized by rich color and close lot-to-lot uniformity.

Raw umber product, RU-9546, is a greenish brown pigment made from a natural ore which is composed of hydrated ferric oxide, manganese dioxide, clay, and calcium carbonate minerals.

Burnt umber consists of raw umber ores calcined to produce the rich deep brown colors characteristic of Huntsman burnt umber. Huntsman blends these calcined ores to produce four burnt umber products which are closely controlled for color properties. These represent a complete range of rich red-brown colors. This product line includes BU-5250F, BU-5350F and BU-5452. BU-5250F and BU-5350F are intensively milled to produce an ultra fine product suitable for the more critical applications. These high quality Huntsman pigments find wide usage in non-fading stains, colors in oil, graining colors, and wallpaper designs. The high manganese content of the umbers must be taken into consideration in formulations containing reactive vehicles.

TYPICAL PROPERTIES

Product	% Fe ₂ O ₃	% MnO ₂	Particle Size (μ)	Oil Absorption (g/100g)	% H ₂ O
<u>Raw Umber</u>					
RU-9546	40-45	7	1.8	47	2
<u>Burnt Umber</u>					
BU-5250F	45-53	10	1.8	54	3
BU-5350F	49-54	10	0.7	54	3
BU-5452	49-54	10	2.0	54	3

The information contained in this data sheet is derived from analysis of a typical batch of each product. It is given for information purposes only, without guarantee, and does not constitute a product specification.

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