

## 47250 Furnace Black, Lamp Black

The preparation for Lamp black has been known since classical times. Lamp black is nearly pure amorphous carbon. It is collected in brick chambers from the condensed smoke of a luminous flame, burning mineral oil, tar, pitch or resin.

It is slightly bluish in color, thus making good neutral greys when mixed with white. Microscopically, it is finely divided, uniform and homogeneous. It does not wet well with water, because it still contains a slight amount of unburnt oil.

Chemical name: Carbon Black, amorphous  
 CAS No.: 1333-86-4  
 Color Index: Pigment Black 7, C.I. 77266  
 INCI Name: Carbon Black

### Product Specification

Characteristics	Reference values	Actual values	Method
Rel. Color Strength IRB=100 %	27 (24-30) %	27.1 %	ISO 787/16,24
Sieve residue 45 µm	≤ 300 ppm	2 ppm	Mocker, ISO 787/18
Extractable matter	≤ 0.1 %	0.01 %	Toluene Extract (8h) DIN 53553
Residue on ignition 650°C	≤ 0.3 %	0.0 %	DIN 53586 A