

## Carbon Black N550-P

ASTM N550 base · low ash / low moisture plastics grade

Soft grade furnace carbon black with tightened ash and heating loss limits for plastics and pipe compounding. Supplied as pellets.

### Typical Properties (Guaranteed Limits)

| Property                      | Specification                             | Test Method |
|-------------------------------|-------------------------------------------|-------------|
| Iodine Adsorption Number      | <b>38.0 - 48.0 mg/g</b>                   | ASTM D-1510 |
| Oil Absorption Number (DBP)   | <b>116.0 - 126.0 cm<sup>3</sup>/100 g</b> | ASTM D-2414 |
| Pelleted Pour Density         | <b>340 - 380 kg/m<sup>3</sup></b>         | ASTM D-1513 |
| Toluene Extract Transmittance | <b>min 75.0 %</b>                         | ASTM D-1618 |
| pH Value                      | <b>7.5 - 9.0</b>                          | ASTM D-1512 |
| Ash Content                   | <b>max 0.30 %</b>                         | ASTM D-1506 |
| Heating Loss                  | <b>max 0.5 %</b>                          | ASTM D-1509 |
| Individual Pellet Hardness    | <b>average 10 - 40; max 50 cN</b>         | ASTM D-3313 |

### Typical Applications

Plastics: pressure pipe for potable water and gas, irrigation pipe, utility pipe and geo-membranes. Industrial rubber: extruded articles such as hoses and construction profiles.

### Packing

21 kg paper bags (1,155 kg per pallet) or 1000 kg big bag. 20 FCL: 9,240 kg bagged / 10,000 kg jumbo.

### Storage & Shelf Life

In accordance with ASTM D8043 the shelf life of carbon black is indefinite when stored in a manner that protects it from liquid water or high humidity. Re-testing of moisture content is recommended for material stored at the customer site for more than 12 months. Avoid dust formation; earth all handling equipment; keep away from strong oxidising agents and sources of ignition.

Application suggestions are indicative; final suitability for a specific process or product is to be validated by the customer. The values above are guaranteed specification limits. A batch Certificate of Analysis with measured results accompanies every shipment. Independent pre-shipment inspection (e.g. SGS) is available on request. Refer to the Safety Data Sheet before handling. HS Code: 2803 00.