

# Hostalen 5052 B black

High Density Polyethylene

LyondellBasell Industries

## Message:

Hostalen 5052 B black is a high density polyethylene (HDPE), black coloured similar RAL 9004 with high melt viscosity for extrusion of pressureless sewage pipes. It is not intended for medical and pharmaceutical applications.

Processing Method:

Extrusion Pipe Sheet and Semi Finished Products

Typical Customer Applications:

Soil & Waste Pipe

| General Information |                   |  |  |
|---------------------|-------------------|--|--|
| Additive            | Carbon Black (2%) |  |  |
| Uses                | Piping            |  |  |
| Appearance          | Black             |  |  |
| Processing Method   | Pipe Extrusion    |  |  |
|                     | Sheet Extrusion   |  |  |

| Physical                  | Nominal Value | Unit              | Test Method |
|---------------------------|---------------|-------------------|-------------|
| Density                   | 0.960         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) |               |                   | ISO 1133    |
| 190°C/21.6 kg             | 10            | g/10 min          |             |
| 190°C/5.0 kg              | 0.60          | g/10 min          |             |
| Carbon Black Content      | 2.3           | %                 | ISO 6964    |

| Mechanical             | Nominal Value | Unit | Test Method |
|------------------------|---------------|------|-------------|
| Tensile Modulus        | 1100          | MPa  | ISO 527-2   |
| Tensile Stress (Yield) | 25.0          | MPa  | ISO 527-2   |
| Tensile Strain (Yield) | 9.0           | %    | ISO 527-2   |

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 200 to 280    | °C   |

| Extrusion        | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 190 to 220    | °C   |

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