

## Technical Data Sheet

### Hostalen 23050 B

High Density Polyethylene



#### Product Description

Hostalen 23050 B is a high density polyethylene (HDPE) in nature color, with high melt viscosity for extrusion, injection and compression molding. It is not applicable for pressurized pipe application.

This grade is not intended for medical and pharmaceutical applications.

|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| <b>Application</b>       | Conduit; Drainage Pipe; Sewer Pipe                                                         |
| <b>Market</b>            | Industrial, Building & Construction; Pipe                                                  |
| <b>Processing Method</b> | Compression Molding; Pipe; Sheet                                                           |
| <b>Attribute</b>         | Good Abrasion Resistance; Good Chemical Resistance; High Density; High Viscosity; Weldable |

| Typical Properties                          | Nominal Value | Units             | Test Method   |
|---------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                             |               |                   |               |
| Melt Flow Rate                              |               |                   |               |
| (190 °C/5.0 kg)                             | 0.23          | g/10 min          | ISO 1133-1    |
| (190 °C/21.6 kg)                            | 6.4           | g/10 min          | ISO 1133-1    |
| Density                                     | 0.950         | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                           |               |                   |               |
| Tensile Modulus, (23 °C)                    | 900           | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 24            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)            | >500          | %                 | ISO 527-1, -2 |
| <b>Impact</b>                               |               |                   |               |
| Charpy Impact Strength - Notched, (23 °C)   | 20            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                              |               |                   |               |
| Oxidation Induction Time, (210 °C)          | >25           | min               | ISO 11357-6   |
| <b>Additional Information</b>               |               |                   |               |
| Moisture Content                            | <=0.02        | %                 | LYB Method    |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Further Information

### Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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