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.

Regulatory Status

For regulatory compliance information, see *Hostalen* 23050 B Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Asia-Pacific
Application	Conduit; Drainage Pipe; Sewer Pipe
Market	Industrial, Building & Construction; Pipe
Processing Method	Compression Molding; Pipe; Sheet
Attribute	Good Abrasion Resistance; Good Chemical Resistance; High Density; High Viscosity; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
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/cm³	ISO 1183
Mechanical			
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
Impact			
Charpy Impact Strength - Notched, (23 °C)	20	kJ/m²	ISO 179-1/1eA
Thermal			
Oxidation Induction Time, (210 °C)	>25	min	ISO 11357-6
Additional Information			
Moisture Content	<=0.02	%	LYB Method

Manufacturer website: https://www.lyondellbasell.com/en/

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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