Hostalen 4131 B

High Density Polyethylene

LyondellBasell Industries

Message:

Hostalen 4131 B is a high density polyethylene (HDPE) with high melt viscosity for extrusion. The product provides excellent stress crack resistance properties (ESCR) combined with very good long term hydrostatic strength and high long term heat aging stability.
Hostalen 4131 B fullfills the requirements of DIN 16833 / ISO 24033 for PE-RT, Typ II.Typical customer applications are underfloor heating and multilayer pipe for heating and plumbing.
The product is not being sold for use in North America.
It is not intended for medical and pharmaceutical applications.

General Information	
Features	Good Heat Aging Resistance High ESCR (Stress Crack Resist.) High Viscosity
Uses	Piping
Processing Method	Extrusion Pipe Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.941	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	14	g/10 min	
190°C/5.0 kg	1.8	g/10 min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 3 sec)	58		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - Secant (23°C)	650	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	8.0	%	ISO 527-2/50
Thermal	**Nominal Value**	**Unit**	**Test Method**
Oxidation Induction Time (210°C)	40	min	ISO 11357-6
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 to 280	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 to 220	°C	

Recommended distributors for this material

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