

BorPEX™ HE1878E

High Density (HMW) Polyethylene

Borealis AG

Message:

BorPEX HE1878E is a high molecular weight, high density polyethylene specially designed for production of crosslinked pipes (PE-X). BorPEX HE1878E is intended to fulfill following standards and regulations, in case of appropriate industrial manufacturing standard procedures applied and a continuous quality system is implemented.

DIN 16892
DIN 16893
EN ISO 15875
ASTM F 876

BorPEX HE1878E is a free flowing powder for the PE-Xa, peroxide crosslinking process. The material is only stabilized for transporting and storage. Crosslinking agent (e.g. peroxide) and stabilisers have to be added by the pipe manufacturer. Good crosslink response and well-balanced powder size distribution enable effective soaking and a stable pipe production.

General Information	
Additive	Unspecified Stabilizer
Features	Clean/High Purity
	Crosslinkable
	Good Processability
	Good Stability
	High Molecular Weight
Uses	Industrial Applications
	Piping
	Plumbing Parts
Agency Ratings	ASTM F 876
	DIN 16892
	DIN 16893
	ISO 15875
Forms	Powder
Processing Method	Extrusion
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density ¹	0.951	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Break)	> 600	%	ISO 527-2

NOTE

1. Base resin

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Recommended distributors for this material

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