

# BorPEX™ HE2591

High Density (HMW) Polyethylene

Borealis AG

## Message:

BorPEX HE2591 is a high molecular weight, high density polyethylene specially designed for production of crosslinked pipes (PE-X). BorPEX HE2591 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 HE2591 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			
Features	Clean/High Purity		
	Crosslinkable		
	Good Processability		
	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 <sup>1</sup>	0.944	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	> 600	%	ISO 527-2
NOTE			
1.	Base resin		

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Recommended distributors for this material

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