

# BorPEX™ HE2590

High Density (HMW) Polyethylene

Borealis AG

## Message:

BorPEX HE2590 is a high molecular weight, high density polyethylene specially designed for production of crosslinked pipes (PE-X). The product is used for single as well as for multilayer pipes, where you then differentiate between plastic multilayer with integrated EVOH layer and aluminium multilayer pipes. BorPEX HE2590 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

General Information			
Features	Radiation crosslinkable		
	High molecular weight		
	Workability, good		
	Crosslinkable		
	Heat resistance, high		
Uses	Industrial application		
	Piping system		
Agency Ratings	ASTM F 876		
	DIN 16892		
	DIN 16893		
	ISO 15875		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.944	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 600	%	ISO 527-2
Extrusion	Nominal Value	Unit	
Melt Temperature	210 - 230	°C	
Extrusion instructions			

Tooling: 220°C

NOTE

1. Compound

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