

BorPEX™ HE2595

High Density (HMW) Polyethylene

Borealis AG

Message:

BorPEX HE2595 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 HE2595 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	
Additive	Carbon black (2%)
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
Appearance	Black
Forms	Particle
Processing Method	Pipeline extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density			ISO 1183
-- 1	0.944	g/cm³	ISO 1183
-- 2	0.955	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	7.5	g/10 min	ISO 1133
Carbon Black Content	2.2	%	ASTM D1603
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.	Base resin		
2.	Compound		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

