

TOTAL Polyethylene XSene® HDPE XRC20 Blue

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE XRC20 Blue is a high performance hexene-based blue compound, with a MRS 10 MPa- PE 100 classification, and primarily intended for potable water pipe applications.
HDPE XRC20 Blue can be used as a blue stripe compound in combination with the black PE 100 grades HDPE XS 10 B and HDPE XRC 20 B for potable water pipe application.
HDPE XRC20 Blue key characteristics are:
Superior resistance to slow crack growth and rapid crack propagation ensuring safe and long-term network operation
A broad bimodal molecular weight distribution offering easy processing for perfect pipes and fittings
An optimised formulation of additives and finely dispersed pigments providing outstanding long-term stability in service.
Designation ISO 1872-PE,E/M-ACGHL,50-T003

General Information			
Additive	Unspecified Additive		
Features	Bimodal Molecular Weight Distribution		
	Food Contact Acceptable		
	Good Crack Resistance		
	Good Processability		
	Hexene Comonomer		
Uses	Fittings		
	Piping		
Agency Ratings	PPI PE-100		
Appearance	Blue		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
Water Content ¹	< 300	ppm	EN 12118
Thermal Stability (200°C)	> 20	min	ISO 11357-6
ISO Type	PE,E/M-ACGHL,50-T003		ISO 1872
Pigment Dispersion	< 3.00		ISO 18553
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 260	°C	
Extrusion	Nominal Value	Unit	

Melt Temperature	190 to 220	°C
NOTE		
1.	Measured at the stage of compound manufacturing	

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