

# TOTAL Polyethylene XSene® HDPE XRC20 Orange

High Density Polyethylene  
TOTAL Refining & Chemicals

Message:

HDPE XRC20 Orange is a high performance hexene-based orange compound, with a MRS 10 MPa - PE 100 classification, and primarily intended for gas pipe applications.

HDPE XRC20 Orange 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
	Good Crack Resistance
	Good Processability
	Hexene Comonomer
Uses	Fittings
	Piping
Agency Ratings	PPI PE-100
Appearance	Orange
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
Water Content <sup>1</sup>	< 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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#### Recommended distributors for this material

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