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Polyethylene HDPE XRC20 Orange

Refining & Chemicals
Polymers

Technical data sheet
High Density Polyethylene PIPES & FITTINGS
Produced in Europe

Description

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

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m³	949
Melt Flow Rate (190°C/5 kg)	ISO 1133/T	g/10 min	0.3
Thermal stability 200°C	EN 728 / ISO 11357-6	min	> 20
Pigment dispersion	ISO 18553	rating	≤ 3
Water content (**)	EN 12118	ppm	≤ 300

(*) Data not intended for specification purposes
(**) Measured at the stage of compound manufacturing

Processing

HDPE XRC20 Orange can be processed under the following recommended conditions.
Adjustments may be useful depending upon the pipe/fitting dimensions, appearance and/or the type of processing equipment used.
Extrusion melt temperature 190-220°C
Injection melt temperature 200-260°C