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

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.totalrefiningchemicals.com

Polyethylene

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