

Description

MDPE 3802 YCF is a high performance hexene-based yellow compound, with a MRS 8 MPa - PE 80 classification, and primarily intended for gas pipe applications.

MDPE 3802 YCF key characteristics are

- a superior resistance to slow crack growth ensuring safe and long-term network operation
- an optimal balance of flexibility and mechanical strength that allows easy coiling, handling and installing of pipes
- an optimised formulation of additives and finely dispersed pigments providing outstanding long-term stability in service

Designation ISO 1872-PE,E/M-ACGHL,40-T012

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m ³	940
Melt Flow Rate (190°C/5 kg)	ISO 1133/T	g/10 min	0.9
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

MDPE 3802 YCF 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 melts temperature: 190-220°C

Injections 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

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