

## 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 <sup>3</sup>	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