

# HMCRP100Natural (EX3100S)

 High Density Polyethylene for  
 Pipes

## General Description

HMCRP100Natural (EX3100S) is a high density polyethylene with 1-butene as comonomer. It is natural, with outstanding ESCR, high impact strength and outstanding hydrostatic strength for PE 100 class.

## Typical Applications

- Pipe extrusion PE 100 class
- Industrial & pressure pipe
- Gas & drinking water pipe
- Fittings

Catalyst: THS/BM

## Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Density	0.948±0.002	g/cm <sup>3</sup>	ISO 1183
FRR 21.6/5	28±3		
Hydrostatic strength (80 °C)	5000 (4.5 N/mm <sup>2</sup> )	h	ISO 1167
MFR190°/2.16	6.2±1	g/10 min	ISO 1133
MFR190°/5	0.22±0.02	g/10 min	ISO 1133
Notched impact (23 °C)	≥26	MJ/mm <sup>2</sup>	ISO 179/1eA

\* Typical values; not to be considered as product specification.

### Note:

Test specimens were taken from compression moulded sheet at 23°C.

FRR values are statistical and calculated by dividing MFR values.

Notch impact test specimen was taken from compressed moulded sheet at 23°C and the data quoted here are average values.

**Processing conditions:** Recommended melt temperature is 190 - 220 °C.