

HMCRP100Or/Y (EX3100S)

 High Density Polyethylene for
 Pipes

General Description

HMCRP100 (EX3100S) is a high density polyethylene with 1-butene as comonomer. It has 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
- Relining

Catalyst: THS/BM

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Density	0.949±0.002	g/cm ³	ISO 1183
FRR 21.6/5	28±3		
Hydrostatic strength (80 °C)	5000 (4.5 N/mm ²)	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)	≥24	MJ/mm ²	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.