



PRODUCT DATA SHEET

Polyethylene Copolymer CRP100

CIC Plast is ready to design customized formulations for its customers' applications, supported by the CIC Plast R&D team's technical capability as well as its equipment. It is designed and manufactured according to the requirements of the customer's desired product and compatibility with the different polymer properties. CIC Plast pipe grade compounds are suitable for the production of irrigation and water supply pipes and many other types of polyethylene pipes in accordance with the world's most reliable standards.

HDPE100 is a black, high density polyethylene classified as **PE100**. Well dispersed carbon black gives outstanding UV resistance. Long term stability is ensured by an optimized stabilization system. It also shows excellent resistance to rapid crack propagation and slow crack growth Application under pressure polyethylene pipes and fittings (PE gas pipes sewerage and irrigation pipe)

PROPERTY	UNIT	TYPICAL VALUE
MELT FLOW INDEX (190 °C , 2.16 Kg)	ISO1133-A, isiri6980-1	0.22gr/10min
Density(method A-metanol 23°C)	ISO1183-1. isiri7090-1,2	0.953gr/cm ³
Carbon Black Content	ISO 6964	2.21
Ash content		0.02
Disp/Carbon Black	ISO18553	1-A2
Elongation at Break	ISO6964	≥ %750
[Yield Strength		≥ 20 MPa
Tensil Strength at Break		≥ 25 MPa
Oxidation Induction Time 210°C	ISO 11357	≥ 40 min
Melting Point	ISO 11357-6	140°C
Escr (50 C. A :10% Igepal Co-630)	ASTM D1693	≥ 1000 hr
Total Volatiles	EN 12099	179mg/kg

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications) .