



APP-HD 55105B PIPE APPLICATION

Product Description

APP-HD55105B is a black compound high density (class MRS 8 - PE80) polyethylene with bimodal distribution of the molecular mass. It is specifically designed for Pressure Pipe applications. It provides excellent stress crack resistance properties combined with very good term hydrostatic strength.

Typical Application

Pressure pipes for drinking water, irrigation, gas distribution and waste water pipes. It is also recommended for the manufacture of chemical liners and containers.

General Properties	Unit	Typical Value	Test Method
Melt Index (190°C/5 kg)	gr/10min	0.5	ISO 1133
Density	g/cm ³	0.959	ISO 1183
Tensile Strength @yield	Mpa	21.5	ASTM D- 638
Tensile Strength @break	Mpa	29	ASTM D- 638
Elongation@yield	%	25	ASTM D- 638
Elongation@break	%	1300	ASTM D- 638
Carbon black dispersion homogeneity	rating	2.3	ISO 18553
Carbon black Content	%	2.85	ISO 6964
Melting Point	°C	125	DSC
Hardness	-	58	D2240 / D2740