

Technical Data Sheet

ARM CRP 100B BLACK

High Density Polyethylene

ARM CRP100B is high molecular weight HDPE grade with Outstanding Hydrostatic Strength, developed as leading PE 100 class for use in pressure and non-pressure pipes.

ARM CRP100B offers outstanding ESCR and high impact strength

Application Drinking Water Pipe; Gas Pipe; Industrial; Soil & Waste Pipe

Market Industrial, Building & Construction; Pipe

Processing Method Compression Molding; Pipe; Sheet

Typical properties	Test method	Unit	Value
MFI@190°C, 5.0Kg	ASTM 1238	gr/10 min	0.2
MFI@190°C, 21.6Kg	ASTM 1238	gr/10 min	6.2
FRR(21.6/5.0)	-----	-----	25
Mass Density (23°)	ISO 1183	gr/sm ³	0.948
SCG (Slow Crack Growth)	ISO 13479	hr	>500
Carbon Black Content	ASTM D 4218	%	2-2.5
Carbon Black Dispersion	BS-2782	Rating	Max 3
Impact strength (23C°)	ISO 179/1eA	mj/mm ²	23
Hydrostatic Strength (80°C/5.5N/mm ²)	ISO 1162	hr	165
Hydrostatic Strength (80°C/5.5N/mm ²)	ISO 1167	hr	<1000