



## High Density Polyethylene

### Steel Pipe Coating

#### ARM PCF 55



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Typical properties	Test method	Unit	Value
MFR@190°C, 5 kg	ASTM D 1238	gr/10min	1.13
MFR@190°C, 21.6 kg	ASTM D 1238	gr/10min	22.8
MFRI@190°C, 2.16 kg	ASTM D 1238	gr/10min	0.25
FRR (21.6/5.0)	.....	.....	20.2
Density @ 23°C	ISO1183-1	gr/cm <sup>3</sup>	0.959
Bulk Density	ASTM D 1895 Hoechst Method	gr/cm <sup>3</sup>	0.619
Impact Strength (Charpy Index@23°C)	ISO 179/1eA	mj/mm <sup>2</sup>	12.7
Carbon Black Content	ASTM D 4218	%	2.3
Carbon Black Dispersion	BS-2782	Rating	Max 3
Volatiles	Hoechst Method	ppm	459
Vicat Softening Temperature (B50)	ASTM D 1525	°C	123
O.I.T	ASTM D 3895	Min	67
Melting Point (DSC)	ISO 11357-3	°C	130
Shore Hardness,(Shore D,3 Sec)	ASTM D 2240	...	63.5
Elongation @ Break	ASTM D638	%	691
Tensile Strength @ Yield	ASTM D638	Mpa	21.4
ESCR	ASTM D 1693	hr	N.A
UV Resistance & Thermal Aging	ISO 21809_1	%	N.A
Brittleness Temperature	ASTM D746	°C	N.A

➤ Values shown are typical & are not to be considered as product specifications.

#### ❖ Main application & Characteristics:

❖ **ARM PCF 55** is recommended as a top coat for a three layer PE system used in.

**ARM PCF 55** is a high density polyethylene polymer with bimodal molecular weight distribution that produce under Hostalen® technology and is coloured black. **ARM PCF 55** contains finely dispersed carbon black that helps to impact excellent weathering properties.