



APP-HD 51146 B

PIPE COATING APPLICATION

Product Description

APP-HD51146B is a high performance black compound primarily intended for pipe coating applications. Key characteristics are Superior mechanical properties under stress cracking as well as under impact conditions, ensuring long term integrity of the network an optimized additives formulation and finely dispersed carbon black providing outstanding long-term stability in service Excellent and durable adhesion properties.

Typical Application

PE- coated pipes are commonly used in oil and gas pipeline, water distribution systems, and industrial infrastructure due to their outstanding electrical insulating properties and resistance to abrasion, making them a cost-efficient and effective solution for maintaining pipeline integrity.

General Properties	Unit	Typical Value	Test Method
Melt Index (190°C/21.6 kg)	gr/10min	27.05	ISO 1133
Melt Index (190°C/5 kg)	gr/10min	1.46	ISO 1133
Density	g/cm ³	0.9518	ISO 1183
FRR (21.6/5)	-	18.53	-
Charpy impact resistance	Kj/m ²	18.77	ISO 179/1eA
Tensile sheet STS@yield	Mpa	19.5	ASTM D- 882
Tensile sheet STS@break	Mpa	20.8	ASTM D- 882
Tensile sheet STN@yield	%	23.6	ASTM D- 882
Tensile sheet STN@break	%	721	ASTM D- 882
Carbon black dispersion homogeneity	rating	2.5	ISO 18553
Carbon black Content	%	2.0	ISO 6964
O.I.T (210°C)	Min.	>60	ASTM D- 3895-14