



APP-HDPE 5802 BC PIPE APPLICATION

Product Description

APP-HD5802BC is a black high density polyethylene compound classified as a MRS 10.0 MATERIALS (PE100) providing superior in mechanical properties and processability. In addition it includes a good dispersion of carbon black and anti-oxidants to ensure excellent long term in UV resistance and thermal stability.

Typical Application

Drinking Water Pipes, Gas pipes, Corrugated Pipe, Industrial Pipe.

General Properties	Unit	Typical Value	Test Method
Melt Index (190°C/21.6 kg)	gr/10min	6.15	ISO 1133
Melt Index (190°C/5 kg)	gr/10min	0.217	ISO 1133
Density	g/cm ³	0.9582	ISO 1183
FRR (21.6/5)	-	28.34	-
Charpy impact resistance	Kj/m ²	22.53	ISO 179/1eA
Tensile sheet STS@yield	Mpa	23.3	ASTM D- 882
Tensile sheet STS@break	Mpa	26.3	ASTM D- 882
Tensile sheet STN@yield	%	12.3	ASTM D- 882
Tensile sheet STN@break	%	677	ASTM D- 882
Carbon black dispersion homogenity	rating	2.2	ISO 18553

Storage and Handling

Polyethylene Compound products should not be stored in direct sunshine and/or heat radiation. The Storage area should be dry and preferably don't exceed 50 °C. **Arsham Pouyesh Polymer** would not responsible for quality diminishing such as color change, bad smell etc., which caused by bad storage conditions. It is better to process PE compound resin within 6 months after delivery.