



PP-110-GM

Polyethylene Geomembrane Compound

Description

PP-110-GM is an ideal choice for the most demanding geomembrane applications. This product combines high tensile strength and chemical resistance with excellent stress-crack resistance and low temperature properties for a highly reliable containment. It can easily be molded and welded together, and its UV stabilizers improves its weather resistance. This product meets the GRI - GM13 standard.

Specification:

PP-110-GM can be used in many different lining applications such as:

- Landfill caps and base seals
- Canals, ponds and reservoirs
- Tunnels and buildings
- Mining
- Storage, filling, handling, manufacturing, treatment and use of contaminated liquids

Product Applications:

- Zero or low permeability to leachate, rainwater, and gases
- Resistance to a wide range of chemicals and typical hazardous waste solids or leachates making this product suitable for sludge and secondary containment around chemical storage facilities.
- UV resistance
- High Melt Flow Index (MFI) which allows for an excellent welding performance.



Technical Properties:

Properties	Requirements	Value	Test methode
Melt Flow Rate (2.16 kg /190 °C)	≤ 1 g/10min	0.54 g/10min	ISO 1133
Density	≥ 0.940 g/cm ³	0.953 g/cm ³	ISO 1133
Carbon Black Content	2-3%	2.60%	ASTM D1603
Carbon Black Dispersion	According to D5596	Passes	ASTM D5596
Oxidation Induction Time	≥ 100 min	120 min	ISO 11357-6
Tensile Strength at Yield (MD/TD)	≥ 22 KN/m	32.1 / 33.0 KN/m	ISO 527(1-2-3)

Processing Technique

The HDPE geomembrane must be made by flat die extrusion method. This product is not suitable for blown film lines. For more information, please contact our technical team.