

PRODUCT IDENTITY

Product Name	Polyflo® HP 110 Petroleum Pitch Oil
Material Class	7632-00-0
Physical Form	Black solid at ambient temperature
Production Process	Short path distillation
CAS Number	68187-58-6
Manufacturing Location	Troy, IN, USA

SPECIFICATIONS

PROPERTY	TEST METHOD	SPECIFICATION
Appearance	Visual	Black solid (at ambient temperature)
Form	–	Isotropic petroleum pitch
Softening Point	ASTM D 3104	110 – 120 °C
Coking Value	ASTM D 2416	47.0 wt% minimum
Ash Content	ASTM D 2415 (mod.)	0.2 wt% maximum
Sulfur Content	ASTM D 4294	1.0 wt% maximum
Toluene Insoluble Residue	ASTM D 4072	7.0 wt% maximum
Quinoline Insoluble Residue	ASTM D 2318	0.2 wt% maximum
Flash Point	ASTM D 92	260 °C minimum (500 °F)
Solubility in Water	–	Insoluble

USE NOTES

Polyflo® HP 110 is a solid at ambient temperature and must be heated above its softening point (110–120°C) for processing and handling.

The isotropic structure and controlled softening point suit both melt-spinning into general purpose carbon fiber and pressure impregnation of graphite electrodes and blocks, where low quinoline insolubles support deep, uniform penetration.

HANDLING & STORAGE

The pitch is combustible when heated and molten; handle with appropriate thermal protection and fire safety precautions. Avoid breathing fumes generated during heating — use adequate ventilation or respiratory protection. Store cool and dry, away from heat sources and ignition.

Consult the current Safety Data Sheet for complete hazard information, exposure limits, first aid measures, personal protective equipment, and disposal guidance prior to use.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of CHEM Group and its subsidiaries. It is the responsibility of the user to comply with applicable laws and regulations and to provide for a safe workplace.

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