

PRODUCT DATA SHEET



sasol

HDPE HDPE

Experimental High Density Polyethylene

HD5110 FLX

Technical support:
Sasol Chemicals
North America LLC
12120 Wickchester Lane
Houston, TX 77079

Telephone: (281) 588 3665

Sales office:
Sasol Chemicals
North America LLC
12120 Wickchester Lane
Houston, TX 77079

Telephone: (281) 588 3000

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www.sasolnorthamerica.com

High Load Melt Index: 10 g/10min

Density: 0.951 g/cm³

Features

- High molecular weight hexene copolymer HDPE with a bimodal molecular weight distribution.

Applications

- Blending resin for heavy-duty shipping sacks and other thick film applications.
- Sheet

Additives

- Antioxidant

Typical properties (not to be construed as specifications)

		VALUE	UNIT	TEST METHOD
Resin Properties	Melt Index (190 °C / 21.6 kg load)	10	g/10 min	ASTM D1238
	Density	0.951	g/cm ³	ASTM D4883

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Handling

Workers should be protected from the possibility of skin or eye contact with molten polymer. Safety glasses are suggested as a minimal protection to prevent possible mechanical or thermal injury to the eyes. Fabrication areas should be ventilated to carry away fumes or vapours.

Storage

As ultraviolet light may cause a change in the material, all resins should be protected from direct sunlight during storage.

Combustibility

Polyethylene resins will burn when supplied adequate heat and oxygen. They should be handled and stored away from contact with direct flames and/or other ignition sources. In burning, polyethylene resins contribute high heat and may generate a dense black smoke. Fires can be extinguished by conventional means with water and water mist preferred. In enclosed areas, fire fighters should be provided with self contained breathing apparatus.

Conveying

Conveying equipment should be designed to prevent accumulation of fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used:

1. be equipped with adequate filters
2. is operated and maintained in such a manner to ensure no leaks develop
3. that adequate grounding exists at all times

We further recommend that good housekeeping be practiced throughout the facility.

This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Notice: if product is named as "experimental" its product specifications and typical property values may vary in the future.