

FILM

1 Siam Cement Road, Bangsue, Bangkok. 10800 Thailand.
Tel. (662) 586-4825-7, 5446-7 Fax. (662) 587-2129 , 587-2138

SIAM CHEMICAL TRADING CO.,LTD.
Cementhai Chemicals Group



**HIGH
DENSITY**
POLYETHYLENE

PHYSICAL PROPERTIES	UNIT	TESTING METHOD	H5604F
MELT FLOW RATE	g/10 min.	ASTM D 1238	0.04
DENSITY	g/cm ³	ASTM D 1505	0.956
TENSILE STRENGTH AT BREAK	kg./cm ²	ASTM D 638	MD:840,TD:500*
ELONGATION AT BREAK	%	ASTM D 638	MD:270,TD:580*
ELEMENDORF TEAR STRENGHT	g	ASTM D 1922	MD:3,TD:80*
FLEXURAL MODULUS	kg./cm ²	ASTM D 790	10,000
HARDNESS,SHORE D	-	ASTM D 2240	64
ENVIRONMENTAL STRESS CRACKING RESISTANCE	F ₅₀ , hr.	ASTM D 1693	>1,000
MELTING POINT	°C	ASTM D 2117	131
VICAT SOFTENING POINT	°C	ASTM D 1525	124
BRITTLINESS TEMPERATURE	°C	ASTM D 746	<-60
DART IMPACT STRENGTH	g	ASTM D 1709	155*

* Properties of film at 12 microns (B.U.R. 5:1), MD = machine direction, and TD = transverse direction

APPLICATION

General purpose bags or heavy duty bags such as liner bags, shopping bags, T-shirt bags.

CHARACTERISTIC

High dart impact strength even a thin film.

PROCESSING CONDITION GUIDE

The actual extrusion condition depends on the type of machine, size and thickness. Generally, melt temperature 190-210 deg.C should be obtained. Blow-up ratio (BUR) and frost line height, 3-5 and 8-10 times of die diameter, respectively, are suggested.

NOTE

The physical property data contained in this catalog are those obtained under controlled conditions in laboratories of each technology owner. These properties are not to be used as sales specifications. Neither will they be identical to properties measured from finished products manufactured with our resins since conditions used in manufacturing cannot be controlled.

EL-Lene

Rev.No.16/07/01