G-Lene

GAIL (India) Ltd.

(A Govt. of India Undertaking)
Petrochemicals Marketing Division

I60A080

High Density Polyethylene for Injection Moulding

Application: I60A080 is recommended for general and industrial purpose moulded crates. It can also be used in other application like, luggagae shells, helmets etc. It exhibits excellent mechanical properties, low degree of warpage, good gloss and ESCR.

Property	Values*	Unit	Test Method
Melt Flow Index (I_2)	8.0	gm/10min	ASTM D1238
Density	0.960	gm/cc	ASTM D1505
Tensile Strength @Yield	260	kg/cm^2	ASTM D638, Type IV
Elongation @Yield	11	%	ASTM D638, Type IV
Elongation @Break	>350	%	ASTM D638, Type IV
Flexural Modulus	11000	kg/cm^2	ASTM D790
Shore D Hardness	67	-	ASTM D2240
Izod Impact Strength	80	J/m	ASTM D 256
Vicat Softening Point	127	°C	ASTM D1525
ESCR (10% Igepol), F_{50}	<48	hrs	ASTM D1693B

* Typical characteristics of the product given purely as a guide. Mechanical properties were determined on compression moulded specimens.

Processing Guidelines:

Barrel temperature: 200 - 280°C
Mould temperature: 30 - 40°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

I60A080 is available in natural colour/pellet form in 25 kg strong bags made of woven fabric. The product should be stored in dry conditions at temperature below 50°C and protected from UV light.

For any technical assistance contact:
GAIL Polymer Technology Centre
B-35/36, Sector-1, Noida, UP-201301, Tel: +91-0120-2549155/156, 2549310; Fax: 011-26185941
Website: www.gailonline.com

The information, data and suggestions contained herein are to the best of our knowledge accurate and reliable. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user specific application.

Revised in Apr'2008