


ROMPETROL

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FIRST CLASS LDPE XCF-0.3¹

APPLICATIONS: IRRIGATION PIPE SYSTEMS, 80 TO 250 MICRON FILMS FOR: GENERAL PURPOSE HEAVY DUTY FILM
 PACKAGING, GREENHOUSE AND INDUSTRIAL FILMS, HEAVY DUTY SHRINK PACKAGING AND LINERS

PROPERTIES	MU	VALUE	TEST METHOD
Melt Flow Index 190°C, 2.16 KgF	g/10min	0.3	ISO 1133
Density at 23 °C	g/cm ³	0.92	ISO 1183-C
Bulk Density	g/cm ³	0.55	ISO 60
Tensile Yield Stress	Mpa	10.5	ISO / 527 (2)
Tensile Strain at Break	%	600	ISO / 527 (2)
Tensile Stress at Break	Mpa	17.5	ISO / 527 (2)
VICAT Softening Temperature	°C	96	ISO 306 A 50
ESCR (F50)	ore	18	ASTM D 1693 – A –10%

2. Delivery: euro pallets (1500 kg LDPE/pallet).

3. Documents: Quality certificate.

Notes: 1) Polyethylene homopolymer. The product is obtained by ethylene polymerization at very high pressure. This monomer is listed in and is in conformity with Directive 2002/72/CE regarding to plastic materials and articles intended to come into contact with foodstuffs and drugs. 2) If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condensate inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polyethylene should not be exposed to UV radiation. Supplier does not take responsibility for any damage caused by adverse storage

Management quality system is certified according to EN ISO 9001:2000 and EN ISO 14001:1996 by Germanischer Lloyd Certification GmbH.

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Material Safety Data Sheet for the polyethylene delivered by Rompetrol Petrochemicals is available for our customers from Sales&Marketing Rompetrol Petrochemicals offices. It contains necessary information in order to ensure customers' own safe handling and processing activity.

The information that follows is pertinent only to the delivered product. Further additives or other processing aids will have their own documentation that needs to be studied.

Safety

Polyethylene is among the most inert commercial polymer and under normal handling induces no hazard. Food or sanitary grades approved in accordance to national/international sanitary legislation have the notice inserted on standard specification's footnote.

Product housekeeping should follow suitable procedure. Workers should avoid skin or eye contact with molten polymer. As a minimal precaution to prevent eye injury, safety glasses are indicated.

Fabrication areas should be ventilated, in order to ensure fumes or vapors elimination and workers should be assured of supply of fresh air. Workplace environments should be kept clean and free of dust.

Fire hazard

Polyethylene is a combustible substance, but under normal housekeeping conditions there is no ignition hazard. In contact with flame it becomes soft, flows, ignites and burns until exhausting (if it isn't stabilized with a flame retardant agent). Therefore it has to be handled and stored avoiding contacts with open flames or other ignition sources. While burning, it releases high heat and a dense black smoke. In enclosed areas, fire fighters should be provided with self-contained breathing apparatus.

Recycling

Polyethylene is a recyclable material. It is preferably that production rejects and conversion wastes be recycled instead of being disposed.

Disposal

Disposal of any wastes should respect all national and local valid regulations. If these regulations are met, the following is applicable for polyethylene homopolymer, as supplied; additives, fillers or other materials addition involves their influence consideration, on the afferent documentation basis. Polyethylene homopolymer can be disposed by landfill or controlled incineration, respecting valid regulations regarding gaseous or solid particles discharges. Due to the high heat value, incineration has to be done only in units designed to handle high heats of combustion. In case it is landfilled: polyethylene is inert, does not degrade quickly, form a strong and permanent soil base and does not release gases or other compounds known to pollute water resources.

The mission assumed by Rompetrol Petrochemicals is to build a strong partnership supplier/customer. Assuming this purpose, Rompetrol Petrochemicals intends to offer products of high quality that satisfy all customers' needs and expectations, to keep permanently contact in order to acknowledge processing troubleshooting, to ensure technical support to solve them, to develop new products for existing or potential markets. Due to the fact that it is a company that recognizes community concerns regarding his activity potential impact on the environment, Rompetrol Petrochemicals encourages his customers to review their processes from the human health and environment point of view. To ensure that its products are not used in ways for which they are not intended or tested, Rompetrol Petrochemicals offers to its customers product literature, including suitable Material Safety Data Sheet, that should be consulted prior to use its products.

NOTE: Because use conditions and valid regulations may differ from one location to another and may change in time, the customer is responsible for deciding whether the product and the information in this document are suitable for his use and for ensuring that his workplace or disposal practices are in compliance with valid legal regulations.

NOTE REGARDING MEDICAL APPLICATION RESTRICTIONS: Rompetrol Petrochemicals does not recommend any company product for applications that involve human tissues or internal fluids contacts - regardless of the contact length of time, for cardiac devices, for medical device components that support human life, as well as for applications that have connections with human reproduction.