

FT – 150 : LDPE – RGH 035 UV

PRODUCT DESCRIPTION:

low density polyethylene, ethylene homopolymer with UV additive. Ethylene monomer is the only monomer used for producing the macromolecular product. For producing the above-mentioned grade there are not used plasticizers or colored master batches. The product has natural color.

APPLICATIONS: Production of agricultural film for greenhouses by extrusion. The grade is recommended for agricultural film with 150 microns thickness, agricultural film life time is estimated to be approx. 2 seasons (21 months - includes one summer season) under Romania climate exposure conditions. If the thickness of agricultural film is less than 150 microns or the grade is mixed with other resins the life time will decrease

PROPERTIES	UM	VALUES	TEST METHOD
PHYSICAL			
Melt Flow Index (190 °C / 2.16 kg)	g/10min	0.35	ASTM D1238
Density (23 °C)	g/cm ³	0,920	ASTM D792
MECHANICAL			
Tensile strength at breake (23 °C, v=50mm/min)			
- Machine direction	MPa	25	ISO 527/3
- Cross direction		23	
Elongation at breake (23 °C, v=50mm/min)			
- Machine direction	%	350	ISO 527/3
- Cross direction		450	
Haze	%	20	ASTM D1003
THERMICAL			
VICAT Softening Temperature (A - 50°C/h-10N)	°C	100	ISO 306/A

Note:

- The medium value of the mechanical and thermal properties is measured on the standard samples made by injection process (ISO 3167/ ISO 1873-2) conditioned at room temperature (ISO 291)

ADDITIONAL INFORMATIONS:

- The monomers and additives used to produce this product are accepted to be used in accordance with the requirements of Regulation 10/2011/EC, relating to plastic materials and articles intended to come into contact with foodstuffs.
- Processing informations:**
Thermal profile recommended for extrusion: 160-200°C depending on the type of equipment.
- Packing/delivery:**
Packing: 25 kg bags or 1000 kg big-bags
Delivery: CP4 Euro pallets (1375 kg /pallet), big-bags (1000 kg)

OTHER INFORMATIONS:

- The **MSDS** for LDPE is available by Sales Marketing Rompetrol Refining offices for the customers. The MSDS contains necessary information in order to ensure customers' own safe in handling and processing activity.

CONTACT INFORMATION:

S.C.ROMPETROL REFINING SA
 ADRESS: B-dul Navodari nr 215, Pavilion Administrativ, Navodari, Judetul Constanta, ROMANIA
 TEL:+ (40) 241 507 090 | FAX + (40) 241 506918
 office.rafinare@rompetrol.com
www.rompetrol-rafinare.ro
www.rompetrol.com