

LOW DENSITY POLYETHYLENE

L705

LDPE

Description

L705 is a Low Density Polyethylene resin designed for mainly extrusion coating application. L705 contains no additives such as slipping agents or anti-blocking agents.

Applications

- Extrusion coating application

Physical Properties	Unit	Test Method	Typical Value
MFR	g/10min	ISO 1133	7.0
Density	Kg/m ³	ISO 1183	919
Mechanical Properties*1			
Tensile Strength at Break*2	MPa	ASTM D638-03	14
Tensile Elongation at Break*2	%	ASTM D638-03	550
Stiffness	MPa	ASTM D747-70	165
ESCR	h	ASTM D1693-00	1.9
Thermal Properties			
Vicat Softening Temperature*1 @10N	°C	ASTM D1525-70	86
Melting Point	°C	DSC	106
Additive			
Thermal Stabilizer: No	Anti-block: No	Slip: No	

*1: Test specimen preparation method: compression

*2: Test Speed 200 mm/min

Processing Conditions:

Typical processing temperature: 300 - 340 °C.

Storage and Handling:

L705 should be stored in a dry and cool place with an adequate ventilation and Storage and shall be protected from UV-light at a temperature below 50 °C. It is advisable to process polyethylene resins within 6 months after the delivery.

Regulatory Compliance:

Please visit Petro Rabigh website or contact Quality Assurance and Claim Handling Section:

Marketing&ProductDevelopmentDept.QA&CH.Section@petrorabigh.com

Disclaimer: © Petro Rabigh. All information supplied by or on behalf of Petro Rabigh in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Petro Rabigh assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach to Petro Rabigh for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the provided information or products by the user. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information.

Kingdom of Saudi Arabia
Petro Rabigh
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petrorabigh.com