CARMEL OLEFINS

Technical Data Sheet

IPETHENE® 670

Low Density Polyethylene

Description

IPETHENE® 670 is a low density polyethylene extrusion coating and lamination grade, produced by high pressure autoclave technology. The material can be processed at high speeds due to its excellent draw-down and web stability properties, with low neck-in. This grade has low gel level and it exhibits excellent sealability with good moisture barrier properties, good adhesion to various substrates and very good organoleptic properties.

Additives

This grade does not contain additives.

Applications

IPETHENE® 670 is suitable for medium and high speed extrusion coating on various substrates: paper, cardboard, aluminium foil and flexible films. The coated substrates can be used for packaging of food, liquids, powders, chemicals and other industrial products. This grade can also be used for master-batches aimed for high quality film applications.

Quality, Environmental and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site http://www.caol.co.il

Resin Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(190°C/2.16 kg)	ISO 1133	7.5	g/10 min
Density		ISO 1183-A	0.917	g/cm^3
Shore Hardness	'D' Scale	ISO 868	45	
Thermal				
Peak Melting Temperature	By DSC	ISO 11357-3	107	°C
Vicat Softening Temperature		ISO 306	90	°C

* *Typical values, not to be construed as specifications.*

Processing Recommendations

IPETHENE® 670 can be easily processed on conventional extrusion coating lines at melt temperature range 260-330°C.

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