

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. It can be processed at high coating speeds. It exhibits low neck-in and stable web edge, good adhesion to various substrates, excellent sealability, low gel level, good organoleptic properties (low odour), low smoke and good barrier properties.

Additives

This grade does not contain any additives.

Applications

IPETHENE® 670 is mainly used 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.

Quality, Environment and Safety Regulations

Resin Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(190°C/2.16Kg)	ISO 1133	7.5	g/10min
Density		ISO 1183-A	0.917	g/cm ³
Shore Hardness	'D' Scale	ISO 868	48	
Thermal				
Peak Melting Temperature	By DSC	ISO 11357-3	107	°C
Vicat Softening Temperature		ISO 306	89	°C
Processing				
Melt Temperature			260 to 330	°C
Maximum Coating Speed		Carmel Olefins Method	800	m/min

* Typical values; not to be construed as specifications.

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