

Technical Data Sheet

IPETHENE® 470

Low Density Polyethylene



Product Description

IPETHENE® 470 is a low-density polyethylene produced by high-pressure autoclave technology, designed for extrusion coating and lamination.

Features:	• No additives	• Good moisture barrier
	• Low neck-in	• Low coating weight
Uses:	• Stable web properties	• Good organoleptic properties
	• Good adhesion to substrates	
Processing Methods:	• Coating paper, cardboard, aluminium foil, plastic film and fabric	• Squeezable bottles
		• Master-batches
Processing Methods:	• Blow molding	• Extrusion coating and lamination
	• Compounding	

Properties	Method	Typical Value*	Unit
Physical			
Melt Flow Rate	(190°C/2.16 kg)	ISO 1133	4.5 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	(10 N)	ISO 306	88 °C

*Typical values; not to be construed as specifications.

Processing Recommendations

IPETHENE® 470 can be easily processed on conventional extrusion coating lines at melt temperature range 260-330°C.

Health, Quality, Regulations and Safety

This product is not classified as dangerous substance and intended for industrial use, to produce plastic articles. Material safety data sheets, international standards certificates and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

