

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
	• Stable web properties	• Good organoleptic properties
	• Good adhesion to substrates	

Uses:	• 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. Material safety data sheets, international standards certificates (e.g. ISO 9001) and other regulatory documents are available on our website. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.