Technical Data Sheet

IPETHENE® 470

Low Density Polyethylene

CARMEL OLEFINS

Product Description

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

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

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).

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