

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.

<b>Features:</b>	<ul style="list-style-type: none"><li>No additives</li><li>Low neck-in</li><li>Stable web properties</li><li>Good adhesion to substrates</li></ul>	<ul style="list-style-type: none"><li>Good moisture barrier</li><li>Low coating weight</li><li>Good organoleptic properties</li></ul>
<b>Uses:</b>	<ul style="list-style-type: none"><li>Coating paper, cardboard, aluminium foil, plastic film and fabric</li></ul>	<ul style="list-style-type: none"><li>Squeezable bottles</li><li>Master-batches</li></ul>
<b>Processing Methods:</b>	<ul style="list-style-type: none"><li>Blow molding</li><li>Compounding</li></ul>	<ul style="list-style-type: none"><li>Extrusion coating and lamination</li></ul>

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(190°C/2.16 kg)	ISO 1133	4.5	g/10 min
<b>Density</b>		ISO 1183-A	0.917	g/cm <sup>3</sup>
<b>Shore Hardness</b>	'D' Scale	ISO 868	45	
<b>Thermal</b>				
<b>Peak Melting Temperature</b>	By DSC	ISO 11357-3	107	°C
<b>Vicat Softening Temperature</b>	(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.

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