

Technical Data Sheet  
**IPETHENE® 670**  
 Low Density Polyethylene



**Product Description**

**IPETHENE® 670** 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	7.5	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	90	°C

\*Typical values; not to be construed as specifications.

**Processing Recommendations**

IPETHENE® 670 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. 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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