

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

**IPETHENE® 670** is a low density polyethylene extrusion coating and lamination grade. This grade can be processed at high coating temperatures and coating speeds. It exhibits low neck-in and stable web edge, good adhesion to many substrates, excellent heat sealing properties, and low gel level.

**Applications**

**IPETHENE® 670** is mainly used for intermediate and light-weight high speed extrusion coating. It can be applied to various substrates such as paper, cardboard, aluminum foil, and flexible films like nylon, cellulose and polyester.

The coated substrates can be used for packaging of foods, liquids and powders, medical devices, agricultural materials, chemicals, and other industrial products.

**Quality, Environment and Safety Regulations**

Material Safety Data Sheets and Product Safety declarations are available on our web site <http://www.caol.co.il>

<b>Properties</b>		<b>Method</b>	<b>Typical Value*</b>	<b>Unit</b>
<b>Physical</b>				
Melt Flow Rate	(190°C/2.16Kg)	ISO 1133	8	g/10min
Density		ISO 1183-A	0.917	g/cm <sup>3</sup>
<b>Mechanical</b>				
Tensile Stress at Yield		ISO 527-2	10.5	MPa
Tensile Stress at Break		ISO 527-2	10.5	MPa
Tensile Strain at Break		ISO 527-2	500	%
Hardness	(Shore D)	ISO 868	45	
<b>Thermal</b>				
Melting Temperature	(DSC)	ISO 11357	108	°C
Vicat Softening Temperature	(10N)	ISO 306	89	°C

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

Fax: 972-4-8466958  
Email: [techserv@caol.co.il](mailto:techserv@caol.co.il) Web: <http://www.caol.co.il>  
Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel

**Last updated: 01/06/2007**