



Product: **Low-Density Polyethylene**

Grade: **LIM 1922**

Application: Injection Molding

Packing: 25 kg Bags

<b>PRODUCT SPECIFICATION</b>			
<b>Typical Properties</b>	<b>Typical Value<sup>1</sup></b>	<b>Unit</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Index (190°C/ 2.16 kg)	22	dg/min	ISO 1133
Density <sup>2</sup>	919	kg/m <sup>3</sup>	ISO 1183(A)
<b>Mechanical<sup>3</sup></b>			
Stress at Yield	8	MPa	ISO 527-1,2
Stress at Break	7	MPa	ISO 527-1,2
Strain at Break	400	%	ISO 527-1,2
Tensile Modulus	175	MPa	ISO527-1;2
Creep Modulus (After 1 hour)	80	MPa	ISO 899
Creep Modulus (After 1000 hour)	45	MPa	ISO 899
Notched Izod at +23°C	42	KJ/m <sup>2</sup>	ISO 180A
Notched Izod at -30°C	5	KJ/m <sup>2</sup>	ISO 180A
Tensile Impact Strength (Notched, Type 1, Method 1B, -30°C)	86	MPa	ISO 8256/1B
Hardness Shore D	45	MPa	ISO 868
Ball Indentation Hardness	16	-	ISO 2039-1
ESCR	3	g	SABTEC Method
<b>Thermal</b>			
Deflection Temperature Under Load (0.45 MPa)	39	°C	ISO 75
Vicat Softening Temperature (Method A/10N)	82	°C	ISO 306
Melting Temperature	105	°C	ISO 3146
Melting Enthalpy	104	J/g	ISO 3146
<b>Recommended Process Conditions<sup>4</sup></b>			
<b>Extruder Barrel Temperature: 180-210°C</b>		<b>Melt Temperature: 20-40°C</b>	

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