

# LFI2119

## Description

LFI2119 is a low-density polyethylene with excellent optical properties. This grade offers a high output and excellent drawdown and is specially designed for general-purpose thin films.

## Application

LFI2119 is recommended for blown film extrusion. This product is suitable for the manufacture of general-purpose LDPE film packaging and general lamination films.

Property	Value	Unit	Test Method
<b>Physical Properties</b>			
MFI (190°C / 2.16 Kg)	1.9	dg/min	ISO 1133
Density	921	kg/m <sup>3</sup>	ISO 1183 (A)
<b>Mechanical Properties</b>			
Impact Strength	26	kJ/m	ISO 7765-2
Tear Strength (TD)	25	kN/m	ISO 6383-2
Tear Strength (MD)	60	kN/m	ISO 6383-2
Yield Stress (TD)	11	MPa	ISO 527-1/3
Yield Stress (MD)	13	MPa	ISO 527-1/3
Tensile Stress at Break (TD)	20	MPa	ISO 527-1/3
Tensile Stress at Break (MD)	35	MPa	ISO 527-1/3
Strain at Break (TD)	>500	%	ISO 527-1/3
Strain at Break (MD)	>150	%	ISO 527-1/3
Modulus of Elasticity (TD)	200	MPa	ISO 527-1/3
Modulus of Elasticity (MD)	190	MPa	ISO 527-1/3
Coefficient of Friction	>1	—	ASTM D1894
Blocking	20	g	SABTEC method
Re-blocking	100	g	SABTEC method
<b>Optical Properties</b>			
Haze	9	%	ASTM D1003A
Gloss (45°)	55	%	ASTM D2457
Clarity	26	mV	—
Additive	Antioxidant	—	—

## **Notes**

1. Typical Values: not to be construed as specifications limits.
2. Properties are based on 25 µm blown film produced at a melt temperature of 170°C and 3 BUR using 100% LFI2119.

## **Processing Conditions**

Extruder temperature profile: 160-185°C

## **Packaging**

Supplied in pellet form and can be packaged in 25kg Bags, one ton semi bulk or 17 tons bulk containers.

## **Storage**

All resins should be stored in a cool, dry, dust-free place away from sunlight and heat, with temperatures below 50°C. Polyethylene resins should be used within 6 months to prevent quality degradation (e.g., discoloration, odor, poor performance) due to aging. ASPC provides no warranty for damages caused by improper storage.