



# Technical Data Sheet

## LFBL1 (Black Color)

PERSIAN GULF POLYMER

### Description

A post-consumer recycled LFBL1 is a low density polyethylene (LDPE), offering a unique combination of consistent process ability, flexibility and toughness.

It is recommended for film blowing, injection molding process and producing flexible injection molded articles such as toys, poly bags, trash bags, caps, lids and as base resin for master batches.

### Material Properties

	Value	Unit	Test Method
<b>Physical &amp; Mechanical Properties</b>			
Density (23°C)	0.945	g/cm <sup>3</sup>	ASTM D792
E-Modulus (23°C)	280	N/mm <sup>2</sup> (MPa)	ASTM D638
Tensile Strength at Yield (23°C)	16	N/mm <sup>2</sup> (MPa)	ASTM D638
Tensile Strength at Break (23°C)	14	N/mm <sup>2</sup> (MPa)	ASTM D638
Hardness Shore D	53	-	ASTM D2240
<b>Rheological</b>			
Melt Flow Index (190 °C/2.16 kg)	0.47	g/10min	ASTM D1238
<b>Impact</b>			
Notched Izod Impact (23°C)	54	KJ/m <sup>2</sup>	ASTM D256
<b>Thermal Properties</b>			
Vicat Softening Temperature	105	°C	ISO 306

#### Note:

The data above is provided in good faith and represents typical properties based on our current knowledge and experience. Product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specification limits or minimum values.



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