



## TECHNICAL DATA SHEET

## FB1460 –( HIGH DENSITY POLYETHYLENE )

**Product Description**

FB1460 Is a high-density polyethylene film grade which combines superior physical properties with excellent process ability. Due to high density the material properties are best utilized by processing at HDPE conditions. Film made of FB1460 gives a strong and stiff film with high consistency. FB1460 contains antioxidant.

**Application:**

- FB1460 is particularly suitable for applications where outstanding and well-balanced mechanical properties are required, such as industrial liners, carrier bags and heavy-duty bags.

**Origin:** Singapore

- Borouge Pte Ltd

Property	Typical Values	Units	Test Methods	
Density	946	kg/m <sup>3</sup>	ISO 1183	
Melt Flow Rate (190°C/5 kg)	0.2	g/10 min	ISO 1133	
Melt Flow Rate (190°C/21.60kg)	6	g/10 min	ISO 1133	
Melting Temperature	131	°C	ISO 11357-3	
Vicat Softening Point (10 N)	125	°C	ISO 306	
<b>Film Properties <sup>1</sup></b>				
Dart Drop	450	g	ISO 7765-1	
Puncture Resistance, Energy To break force	1,5	J	ASTM D 5748	
	38	N		
Tensile Strain @ Break <sup>1</sup> MD	300	%	ISO 527-3	
Tensile Strain @ Break TD	450	%	ISO 527-3	
Tensile Strength MD	75	MPa	ISO 527-3	
Tensile Strength TD	60	MPa	ISO 527-3	
Tensile Modulus MD	600	MPa	ASTM D 5748	
Tensile Modulus TD	700	MPa	ASTM D 5748	
Tear Resistance, (Elmendorf)	MD	0,2	N	ISO 6383/2
	TD	1,0	N	

<sup>1</sup> MD = machine direction, TD = transverse direction.



**Processing Techniques**

- FB1460 is easily processed on conventional extruders.

**Storage And Handling:**

FB1460 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

**Recycling:**

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

