



FI0750

Bimodal High Density Polyethylene for Blown film

Product Description

FI0750 is high molecular weight high density polyethylene copolymer grade specifically designed for blown film applications. Its high molecular weight, broad molecular weight distribution and high density combine successfully to give excellent extrudability with high film strength and rigidity.

Typical Applications

FI0750 is recommended for blown film extrusion. It can be used for producing grocery sacks, shopping bags, refuse bags, thin films for bag on roll, wrapping film and also for replacement of thin paper products. Films produced with this product can be readily treated and printed to give high quality graphics.

Typical data

Properties	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate @ 190°C & 5 kg load	g/10 min.	0.22	ISO 1133
@ 190°C & 21.6 kg load		7.5	
Density @ 23°C	kg/m ³	950	ISO 1183
Mechanical Properties ⁽²⁾			
Tensile Strength @ Yield, MD TD	MPa	50 45	ISO 527
Tensile Elongation @ break, MD TD	%	400 450	ISO 527
Dart Impact Strength, F50	g	240	ASTM D1709
Elmendorf Tear Strength, MD TD	mN	250 450	ISO 6383-2
Shore D Hardness	-	62	ISO 868
Thermal Properties			
Vicat Softening Point	°C	75	ISO 306
Brittleness Temperature	°C	<-80	ASTM D746

(1) Typical values; not to be construed as specification limits.

(2) Properties are based on 20µm film produced at 4 BUR using 100% FI0750.

Processing Conditions

Melt Temperature: 200 - 225°C

Frost Line Height: 6 - 8 times die Ø

BUR: 3 - 5

Food Regulation

FI0750 is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

Storage and Handling

Polyethylene material should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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