

## POLYMERS

# SABIC<sup>®</sup> HDPE Blown Film F04660

## PRODUCT DESCRIPTION

F04660 is a homo-polymer film grade with excellent processability and high stiffness. It has good moisture barrier properties and can be blended with LDPE and LLDPE to improve film strength and rigidity.

## TYPICAL APPLICATIONS

F04660 is recommended for applications where high stiffness is required. It can be used in the middle layer in a coex structure or blended with LDPE and LLDPE to increase stiffness and mechanical properties. It has excellent water vapor barrier properties required for certain foods packaging.

## TYPICAL DATA

PROPERTIES	Unit	Value <sup>(1)</sup>	Test Method
Melt Flow Rate			
@ 190°C & 2.16 kg load	g/10 min	0.7	ASTM D 1238
@ 190°C & 21.6 kg load		46	
Density @ 23°C	Kg/m <sup>3</sup>	961	ASTM D 1505
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Strength @ break, MD, TD	MPa	67 , 37	ASTM D 882
Tensile Elongation @ break, MD, TD	%	490 , 3	ASTM D 882
1% Secant Modulus, MD, TD	MPa	1250 , 1700	ASTM D 882
Dart Impact Strength, F50	g	<20	ASTM D 1709
Elmendorf Tear Strength, MD, TD	g	10 , 800	ASTM D 1922
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	129	ASTM D 1525

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

(2) Properties are based on 25 µm film produced at 2.5:1 BUR using 100% F04660.