

POLYMERS

SABIC[®] 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 ⁽¹⁾	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 ³	961	ASTM D 1505
MECHANICAL PROPERTIES⁽²⁾			
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
THERMAL PROPERTIES			
Vicat Softening Point	°C	129	ASTM D 1525