

SABIC® Vestolen A 6060R b

High Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® Vestolen A 6060R B is a high density polyethylene product. It can be processed by pipeline extrusion molding or extrusion, and is available in Europe. SABIC® The application fields of Vestolen A 6060R B include thin plates, containers, food contact applications and water pipes/pipes/drinking water.

General Information			
Uses	Piping system		
	Sheet		
	Container		
Agency Ratings	EEC 2002/72/EC		
	FDA 21 CFR 177.1520		
Appearance	Blue		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.10	g/10 min	ISO 1133
190°C/5.0 kg	0.35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec, Compression Molded)	59		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (2.00 mm, Compression Molded)	1030	MPa	ISO 527-2/1BA/50
Tensile Stress (Yield, 2.00 mm, Compression Molded)	24.0	MPa	ISO 527-2/1BA/50
Tensile Strain (Yield, 2.00 mm, Compression Molded)	9.0	%	ISO 527-2/1BA/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.2	kJ/m ²	ISO 179/1eA
23°C	23	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	72.0	°C	ISO 75-2/B
1.8 MPa, not annealed	43.0	°C	ISO 75-2/A
Vicat Softening Temperature	71.0	°C	ISO 306/B50

Additional Information

OIT 210°C, EN 728: >20 minMRS Classification, ISO 12162: 10 MPaMelting Point, SABIC Method, DSC: 124 to 128°CRAL Number: 5005Color Code: 65307

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

