

SABIC® Vestolen P 9000-67404

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:
This grade has a high molecular weight and therefore mainly used for extrusion. It can be used for non-pressure pipes and sheet applications.

General Information	
Features	Ultra high molecular weight Homopolymer
Uses	Piping system Sheet
Appearance	Grey
Forms	Particle
Processing Method	Pipeline extrusion molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	0.50	g/10 min	ISO 1133
230°C/2.16 kg	0.30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	43.0	MPa	ISO 527-2
Fracture	30.0	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m ²	ISO 179/1eA
0°C	3.0	kJ/m ²	ISO 179/1eA
23°C	8.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	22	kJ/m ²	ISO 179/1eU
0°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU

Notched Izod Impact (23°C)	7.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	80.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A
--	91.0	°C	ISO 306/B
Additional Information	Nominal Value		
RAL Number	7037		

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