

SABIC® Vestolen P 9026S

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

Message:

This polypropylene grade is a flame-retardant high molecular weight homopolymer. It meets the DIN 4102 requirements for the B1 flammability class. It is approved for applications up to 10 mm thickness. It is used for waste discharge pipes inside buildings, exhaust air ducts, exhaust gas pipes and sheets for the construction of tanks and containers.

General Information			
Features	High molecular weight		
	Homopolymer		
	Flame retardancy		
Uses	Piping system		
	Sheet		
	Container		
	Water tank		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.933	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
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 2.00mm	39.0	MPa	ISO 527-2/50
Fracture, 2.00mm	40.0	MPa	ISO 527-2/50
Tensile Strain (Break, 2.00 mm)	50	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

Additional Information

Strain at Break, ISO 527, 2mm, 50mm/min: >50%Charpy Unnotched Impact, ISO 179, 23°C: >60 kJ/m²

NOTE

1. Method I (three-point load)

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