



SABIC® POM

POLYOXYMETHYLENE COPOLYMER



A semi-crystalline thermoplastic material commonly referred to as acetal or polyacetal. SABIC® POM is suitable for highly engineered applications that require precision and durability. SABITAL™ is a sub-series of SABIC® POM, reinforced with glass-fiber content at different concentrations to enhance the mechanical properties.

Key Properties:

- High strength and stiffness.
- Superior chemical resistance.
- Low friction coefficient (Self Lubricating).
- Excellent wear properties.
- Good dimensional stability.
- Ease of machining.

Applications:

- Automotive
 - Seat belt buckle
 - Door handle
 - Speaker grill
 - Fuel cap
 - Fuel pump
- Plumbing & Irrigation
 - Pipe fitting
 - Water sprinkler
 - Shower head
- Electronic Appliances
 - Washing machines
 - Gears
 - Printers
 - Keyboard push buttons
- Consumer Articles
 - Zippers
 - Sporting goods
 - Toys



	SABIC Grade	Melt Index (g/10 min)*	Density (g/cm ³)	Characteristics
SABIC® POM	POM 30RE	2.8	1.41	Stiff-flowing, voids free copolymer grade, suitable for extrusion. Good chemical resistance to solvents, fuel and strong alkalis in addition to its good hydrolysis resistance.
	POM 30S	3	1.41	Stiff flowing copolymer grade, suitable for injection molding and extrusion. High impact toughness. Good tracking resistance over range of temperature.
	POM 90S	9	1.41	General purpose standard injection molding grade. High rigidity, toughness and hardness.
	POM 140S	14	1.41	Easy flowing injection molding grade for precision molded parts and thin-walled molded parts with high rigidity, high toughness and hardness.
	POM 280S	27	1.41	Very easy flowing injection molding grade. High rigidity and hardness.
	POM 460S	45	1.41	Extremely Easy flowing injection molding grade for thin-walled precision molded parts with complicated flowpath-wall thickness relation. Permits processing at reduced temperature and shorter cycle times.
SABITAL™	90GV10	8.4	1.48	Glass fiber compounded grade for injection moulding applications. Good flow and combination of strength and stiffness. Good dimensional stability.
	90GV20	7	1.57	Glass fiber compounded grade for injection moulding applications. Moderate flow with higher strength, stiffness, hardness, and high HDT. Good dimensional stability
	90GV30	6.4	1.60	Glass fiber compounded grade for injection moulding applications. Combination of very high strength, very high stiffness, hardness, and high HDT. Good dimensional stability.

*Please refer to datasheet for more information.

CONTACT US

Middle East

SABIC (HQ)
PO Box 5101,
Riyadh 11422,
Saudi Arabia
T +966 (0) 11 225 8000
F +966 (0) 11 225 9000
E info@sabic.com

Europe

SABIC Europe
PO Box 5151,
6130 PD Sittard,
The Netherlands
T +31 467 222 222
F +31 467 220 000
E info@sabic-europe.com

Asia Pacific

SABIC Asia Pacific Pte. Ltd.
One Temasek Avenue,
06-01 Millenia Tower,
Singapore 039192
T +65 655 725 55
F +65 653 181 01
E sappl@sabic.com.sg

United States

SABIC Americas, Inc.
2500 City West Boulevard,
Suite 650,
Houston,
TX 77042,
USA
T +1 713 532 4999
F +1 713 532 4994
E info@americas.sabic.com