

SABIC® POM MV 002

POLYOXYMETHYLENE

DESCRIPTION

SABIC® POM MV 002 is a Polyoxymethylene copolymer grade with medium-viscosity, used for general-purpose injection molded applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL PROPERTIES ⁽¹⁾			
Density	1410	kg /m ³	ISO 1183
Melt volume rate (MVR)	8	cm ³ /10 min	ISO 1133
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile stress at yield (50mm/min)	63	MPa	ISO 527-2 1A
Tensile modulus (1mm/min)	2600	MPa	ISO 527-2 1A
Tensile Strain at Yield	9	%	ISO 527-2 1A
Charpy Notched Impact Strength @ 23°C	5.6	kJ/m ²	ISO 179
THERMAL PROPERTIES ⁽¹⁾			
Melting temperature (10 °C/min)	165	°C	ISO 11357-1/-3
Deflection temperature under load DTUL (@1.8 MPa)	100	°C	ISO 75-1&2

(1) Typical values; not to be construed as specification limits.

CHARACTERISTICS

SABIC® POM MV 002 has the following:

- High toughness and strength.
- High resistance to thermal and oxidative degradation.
- Fuel, strong alkalis and good hydrolysis resistances.

PROCESSING CONDITIONS

Injection Molding

Standard injection molding machines with three phase (15 to 25D) plasticizing screws will fit.

Melt Temperature 190 – 22 °C

Mold Temperature 80 – 110 °C