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SABIC® SABITAL™ 90GV30

POLYOXYMETHLYENE COMPOUNDING

DESCRIPTION

SABITAL™ 90GV30 is POM copolymer compounded with glass fibers for injection molding applications, it is reinforced with ca. 25% glass fibers for application requiring very high stiffness, strength and thermal property.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL PROPERTIES (1)			
Density	1600	kg/m³	ISO 1183
Melt volume rate (MVR)	3.0	cm³/10 min	ISO 1133
MECHANICAL PROPERTIES (1)			
Tensile modulus (1mm/min)	9000	MPa	ISO 527-2 1A
Tensile stress at break (5mm/min)	130	MPa	ISO 527-2 1A
Tensile strain at break (5mm/min)	2.5	%	ISO 527-2 1A
Flexural modulus (23°C)	7900	MPa	ISO 178
Charpy impact strength @ 23°C	40	kJ/m²	ISO 179/1eU
Charpy notched impact strength @ 23°C	8	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES (1)			
Melting temperature (10 °C/min)	166	°C	ISO 11357-1/-3
Deflection temperature under load DTUL (@1.8 MPa)	160	°C	ISO 75-1&2
Coeff.of linear therm. expansion (parallel)	0.4	E-4/°C	ISO 11359-2
Coeff.of linear therm. expansion (normal)	0.9	E-4/°C	ISO 11359-2

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