



VALOX™ Resin 7062

Europe-Africa-Middle East: COMMERCIAL

VALOX 7062 is Mineral filled PBT injection molding grade.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Taber Abrasion, CS-17, 1 kg	74	mg/1000cy	SABIC Method
Tensile Stress, break, 5 mm/min	60	MPa	ISO 527
Tensile Strain, break, 5 mm/min	3	%	ISO 527
Tensile Modulus, 1 mm/min	4200	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	100	MPa	ISO 178
Flexural Modulus, 2 mm/min	3900	MPa	ISO 178
Hardness, H358/30	140	MPa	ISO 2039-1
IMPACT			
Izod Impact, notched, 23°C	0	cm-kgf/cm	ASTM D 256
Izod Impact, notched, -30°C	0	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	3	kJ/m ²	ISO 180/1A
Charpy -30°C, V-notch Edgew 80*10*3 sp=62mm	2	kJ/m ²	ISO 179/1eA
Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm	2	kJ/m ²	ISO 179/1eA
THERMAL			
Vicat Softening Temp, Rate B/50	175	°C	ASTM D 1525
HDT, 1.82 MPa, 3.2mm, unannealed	65	°C	ASTM D 648
CTE, 23°C to 80°C, flow	9.E-05	1/°C	ISO 11359-2
CTE, 23°C to 80°C, xflow	9.E-05	1/°C	ISO 11359-2
Ball Pressure Test, 125°C +/- 2°C	PASSES	-	IEC 60695-10-2
Vicat Softening Temp, Rate B/50	175	°C	ISO 306
Vicat Softening Temp, Rate B/120	175	°C	ISO 306
PHYSICAL			
Mold Shrinkage, flow, 3.2 mm (5)	1.2 - 1.9	%	SABIC Method



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PHYSICAL			
Density	1.81	g/cm ³	ISO 1183
Melt Volume Rate, MVR at 265°C/1.2 kg	21	cm ³ /10 min	ISO 1133
ELECTRICAL			
Relative Permittivity, 50/60 Hz	3.7	-	ASTM D 150
Relative Permittivity, 1 MHz	3.6	-	ASTM D 150
Dissipation Factor, 50/60 Hz	0.002	-	ASTM D 150
Dissipation Factor, 1 MHz	0.015	-	ASTM D 150
Comparative Tracking Index	475	V	IEC 60112
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	1.5	mm	UL 94
UL Recognized, 94HB Flame Class Rating 2nd value (3)	3	mm	UL 94
Glow Wire Flammability Index 650°C, passes at	3.2	mm	IEC 60695-2-12