

Injection 3024GC6

Engineering Plastics

Dry as molded

Characteristic		Unit	Test method	Measured value
Mechanical Characteristics				
Tensile strength		MPa	ISO 527-1,2	125
Tensile strain at break		%		7.0
Tensile modulus		GPa		7.0
Flexural strength		MPa	ISO 178	185
Flexural modulus		GPa		5.8
Charpy notched impact strength		kJ/m ²	ISO 179-1/1eA	28
Rockwell hardness	R.Scale	-	ISO 2039-2	110
	M.Scale			72
Thermal Characteristics				
Melting temperature		° C	ISO 11357	175~181
Coeff. of linear thermal expansion		x10 ⁻⁵ /° C	ISO 11359-2	3.0
Temperature of deflection under load	0.45 MPa	° C	ISO 75-1,2	177
	1.8 MPa	° C		160
Electical Characterisitics				
Volume resistivity		Ω cm	JIS K6911	10 ¹⁵
Electric strength		kV/mm	IEC 60243-1	-
Relative permittivity		-	IEC 60250	-
Arc resitance		s	D-495(ASTM)	-
C.T.I		UL index	UL746A	-
Others				
Density		g/cm ³	ISO 1183-3	1.24
Water absorption		23 ° C, 50 %RH	UBE method	0.6
Molding shrinkage	MD	%	UBE method(30x100x3t)	0.2
	TD			0.8
Nomenclature accdording to ISO 1874-1				PA12, MH, 18-070, GF30

