

Injection 1015RXN

Engineering Plastics

Dry as molded

Characteristic	Unit	Test method	Measured value
Mechanical Characteristics			
Tensile strength	MPa	ISO 527-1,2	80
Tensile strain at break	%		2.5
Tensile modulus	GPa		8.2
Flexural strength	MPa	ISO 178	125
Flexural modulus	GPa		7.7
Charpy notched impact strength	kJ/m ²	ISO 179-1/1eA	2
Rockwell hardness	R.Scale	-	ISO 2039-2
	M.Scale		
Thermal Characteristics			
Melting temperature	° C	ISO 11357	215~225
Coeff. of linear thermal expansion	x10 ⁻⁵ /° C	ISO 11359-2	-
Temperature of deflection under load	0.45 MPa	° C	ISO 75-1,2
	1.8 MPa		
Electical Characterisitics			
Volume resistivity	Ω cm	JIS K6911	-
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	1.40
Water absorption	23 ° C, 50 %RH	%	UBE method
Molding shrinkage	MD	%	UBE method(30x100x3t)
	TD		
Nomenclature according to ISO 1874-1			PA6, M, 14-080N

