

UBE NYLON 1024JI

Engineering Plastics

Dry as molded

		Unit	Test method	Measured value
Melting temperature		° C	ISO 11357-3	214
Density		g/cm ³	ISO 1183-3	1.11
Tensile stress at yield		MPa	ISO 527-1,2	35
Tensile strain at yield		%	ISO 527-1,2	30
Tensile strain at break		%	ISO 527-1,2	> 150
Flexural strength		MPa	ISO 178	22
Flexural modulus		MPa	ISO 178	550
Shore hardness	D-scale	-	ISO 868	64
Rockwell hardness	R-scale	-	ISO 2039-2	68
Impact strength (Charpy, Notched)	23 ° C	kJ/m ²	ISO 179/1eA	105P
	-40 ° C	kJ/m ²	ISO 179/1eA	8C
Temp. of deflection under load	0.45 MPa	° C	ISO 75-2	100
	1.8 MPa	° C	ISO 75-2	-
Moulding shrinkage (In flow direction/ In transverse direction)		%	ISO 294-4	1.2/1.2
Abrasion loss (CS-17. 1,000 rev.)		mg	ISO 9352	18
Coef. Of linear thermal expansion		10 ⁻⁴ /K	ISO 11359-2	1.0
Volume resistivity		Ω·cm	IEC 60093	10 ¹²
Moisture absorption (24 h in water at 23 ° C)		%	ISO 62	1.3
Melt flow rate(235 ° C/2,160 g)		g/10 min	ISO 1133	7
Comments				Tubing Impact modified
Color				Natural

Impact Strength:N=not broken P=partially broken C=completely broken

