UBE / UBE INDUSTRIES,LTD.

UBESTA 3030JI5L

Engineering Plastics

Dry as molded

		Unit	Test method	Measured value
Melting temperature		° C	ISO 11357-3	173
Density		g/cm^3	ISO 1183-3	1.01
Tensile stress at yield		MPa	ISO 527-1,2	26
Tensile strain at yield		%	ISO 527-1,2	24
Tensile strain at break		%	ISO 527-1,2	> 150
Flexural strength		MPa	ISO 178	19
Flexural modulus		MPa	ISO 178	400
Shore hardness	D-scale	-	ISO 868	67
Rockwell hardness	R-scale	-	ISO 2039-2	51
Impact strength (Charpy, Notched)	23 ° C	kJ/m^2	ISO 179/1eA	115P
	-40 ° C	kJ/m^2	ISO 179/1eA	4C
Temp. of deflection under load	0.45 MPa	° C	ISO 75-2	91
	1.8 MPa	° C	ISO 75-2	45
Moulding shrinkage (In flow direction/ In transverse direction)		%	ISO 294-4	0.7/1.4
Abrasion loss (CS-17. 1,000 rev.)		mg	ISO 9352	8
Coef. Of linear thermal expansion		10^{-4} /K	ISO 11359-2	1.7
Volume resistivity		Ω·cm	IEC 60093	10^{12}
Moisture absorption (24 h in water at 23 ° C)		%	ISO 62	0.6
Melt flow rate(235 ° C/2,160 g)		g/10 min	ISO 1133	4
Comments				Tubing Impact modified
Color				Black

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