

UBESTA 3012U

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Engineering Plastics

Dry as molded

		Unit	Test method	Measured value
Melting temperature		° C	ISO 11357-3	180
Density		g/cm ³	ISO 1183-3	1.02
Tensile stress at yield		MPa	ISO 527-1,2	47
Tensile strain at yield		%	ISO 527-1,2	5
Tensile strain at break		%	ISO 527-1,2	> 150
Flexural strength		MPa	ISO 178	62
Flexural modulus		MPa	ISO 178	1,500
Shore hardness	D-scale	-	ISO 868	77
Rockwell hardness	R-scale	-	ISO 2039-2	105
Impact strength (Charpy, Notched)	23 ° C	kJ/m ²	ISO 179/1eA	3C
	-40 ° C	kJ/m ²	ISO 179/1eA	3C
Temp. of deflection under load	0.45 MPa	° C	ISO 75-2	103
	1.8 MPa	° C	ISO 75-2	48
Moulding shrinkage (In flow direction/ In transverse direction)		%	ISO 294-4	0.8/0.9
Abrasion loss (CS-17. 1,000 rev.)		mg	ISO 9352	6
Coef. Of linear thermal expansion		10 ⁻⁴ /K	ISO 11359-2	1.5
Volume resistivity		Ω·cm	IEC 60093	10 ¹⁵
Moisture absorption (24 h in water at 23 ° C)		%	ISO 62	0.6
Melt flow rate(190 ° C/1,000 g)		g/10 min	ISO 1133	17
Comments				General
Color				Natural

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