

UBESTA 3035LU1

Polyamide 12

UBE America, Inc.

Message:

UV stabilized (Injection, Extrusion)

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Part Marking Code	>PA12		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.5	%	Internal method
Flow direction	0.70	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.60	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	105	°C	ISO 75-2/B
1.8 MPa, not annealed	45.0	°C	ISO 75-2/A
CLTE - Flow	1.2E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	30	kV/mm	IEC 60243-1
Relative Permittivity	3.10		IEC 60250
Arc Resistance	180	sec	ASTM D495

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT