

UBE Nylon 1015 UC2

Polyamide 6

UBE Engineering Plastics, S.A.

Message:

UBE NYLON 1015 UC2 is special modified, heat stabilized Polyamide 6. The material is a so called Nylon Clay Hybrid. It contents exfoliated, by polymerization process incorporated silicate platelets.

General Information			
Filler / Reinforcement	Clay nano filler, 2.0% filler by weight		
Additive	heat stabilizer		
Features	Weldable		
	Good formability		
	Thermal Stability		
	Excellent appearance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	96.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	47	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	197	°C	ASTM D648
1.8 MPa, not annealed	140	°C	ASTM D648
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Additional Information			
Specific Modulus: 3300 MPa			

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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

