

Ultramid® B3WG6 CR BK23210

Polyamide 6

BASF Corporation

Message:

Ultramid B3WG6 CR BK23210 is a 30% glass fiber reinforced, heat stabilized injection molding PA6 grade for crash relevant applications.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
		Oil Resistant		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	30.0	--	cm ³ /10min	ISO 1133
Water Absorption				ISO 62
Saturation, 23°C	6.6	--	%	
Equilibrium, 23°C, 50% RH	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9500	5600	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	170	100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.4	7.5	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	8.5	--	kJ/m ²	
23°C	13	--	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	95	110	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	205	--	°C	ISO 75-2/A
Melting Temperature (DSC)	220	--	°C	ISO 3146

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Recommended distributors for this material

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



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