

Ultramid® B 3WG6 CR BK23210 (Cond) Polyamide 6

Product Description

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

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792 ISO 1183
Water Absorption			
24 hr, 50% RH	2.4	%	ASTM D570
Saturation	8.6	%	ASTM D570
Saturation, 23°C	8.6	%	ISO 62
Equilibrium, 23°C, 50% RH	2.4	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	755	MPa	ISO 527-2
Tensile Strength			
Yield	38.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2
Tensile Elongation			
Yield	28	%	ASTM D638 ISO 527-2
Break	> 100	%	ASTM D638
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	670	MPa	ISO 178
Flexural Strength	20.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	240 to 285	°C
Mold Temperature	65.0 to 80.0	°C
Injection Pressure	3.50 to 12.5	MPa

Notes

¹ Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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