

Ultramid® B 3S Q661

Polyamide 6

BASF Corporation

Product Description

Ultramid B3S Q661 is a general purpose, PA6 resin for injection molding.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Nucleating Agent
Features	• Fast Molding Cycle • Good Dimensional Stability • Heat Stabilized • General Purpose • Good Flow • Low Viscosity • Good Abrasion Resistance • Good Processability • Nucleated • Good Chemical Resistance • Good Stiffness • Oil Resistant • Good Colorability • Good Thermal Aging Resistance • Semi Crystalline
Uses	• General Purpose
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical

	Nominal Value	Unit	Test Method
Specific Gravity	--	1.13 g/cm ³	ASTM D792
--	--	1130 kg/m ³	ISO 1183 ²
Melt volume-flow rate (275°C/5.0 kg)	145	cm ³ /10min	ISO 1133 ²

Mechanical

	Nominal Value	Unit	Test Method
Tensile modulus	1110	MPa	ISO 527-2 ²
Tensile Strength			
Yield, 23°C	79.0	MPa	ASTM D638
Yield	79.0	MPa	ISO 527-2 ²
Tensile Strain			
Yield	4.2	%	ISO 527-2 ²
Break, 23°C	4.2	%	ASTM D638
Flexural Modulus (23°C)	2740	MPa	ASTM D790

Impact

	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53.0	J/m	ASTM D256

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	180	°C	ASTM D648
1.8 MPa, Unannealed	76.0	°C	ASTM D648
1.8 MPa	76.0	°C	ISO 75-2 ²
Melting Temperature	220	°C	ASTM D3418 ISO 3146

Flammability

	Nominal Value	Unit	Test Method
Flame Rating - UL (1.50 mm)	V-2		UL 94

UL 746

	Nominal Value	Unit	Test Method
RTI Str (1.50 mm)	110	°C	UL 746
RTI Imp (1.50 mm)	75.0	°C	UL 746
RTI Elec (1.50 mm)	130	°C	UL 746

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
Injection Rate	Fast	

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布, 我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

Ultramid® B 3S Q661

Polyamide 6

BASF Corporation

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

Wednesday, December 16, 2009

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！