

# Ultramid® A 3W Q601

Polyamide 66

BASF Corporation

## Product Description

Ultramid A3W Q601 is an easy flowing, heat aging resistant injection molding PA66 grade for fast processing.

## General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• Fast Molding Cycle • Good Flow • Good Thermal Aging Resistance • Heat Stabilized • Oil Resistant
Uses	• Bearings • Connectors • Gears
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1130	kg/m <sup>3</sup>	ISO 1183 <sup>2</sup>
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	3120	MPa	ISO 527-2 <sup>2</sup>
Tensile Stress (Yield)	85.0	MPa	ISO 527-2 <sup>2</sup>
Tensile Strain (Yield)	4.3	%	ISO 527-2 <sup>2</sup>
Flexural Modulus (23°C)	2920	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	6.00	kJ/m <sup>2</sup>	ISO 179/1eA <sup>2</sup>
Notched Izod Impact Strength (23°C)	6.00	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	74.0	°C	ISO 75-2 <sup>2</sup>
Melting Temperature (DSC)	260	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	3.50 to 12.5	MPa	
Injection Rate	Fast		

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 [www.kedisujiao.com](http://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！