

Ultramid® A 3Z HP UV

Polyamide 66

BASF Corporation

Product Description

Ultramid A3Z HP UV is an impact modified PA66 containing heat and ultraviolet light stabilizers. Designed for maximum toughness at low temperatures, Ultramid A3Z HP UV offers a unique combination of impact performance and excellent processability.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Impact Modifier
Features	• Good Colorability • Heat Stabilized • Oil Resistant • Good Processability • High Flow • Good UV Resistance • Impact Modified
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical

	Nominal Value	Unit	Test Method
Density	1080	kg/m ³	ISO 1183 ²

Mechanical

	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.0	MPa	ISO 527-2 ²
Nominal strain at break	50	%	ISO 527-2 ²
Flexural Modulus (23°C)	1700	MPa	ISO 178

Impact

	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	22.0	kJ/m ²	
23°C	83.0	kJ/m ²	

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	63.0	°C	ISO 75-2 ²
Melting Temperature (DSC)	258	°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 304	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	3.50 to 12.5	MPa
Back Pressure	0.00 to 0.350	MPa
Screw Speed	40 to 80	rpm
Screw Compression Ratio	3.0:1.0 to 4.0:1.0	

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.

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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