

ULTRAMID® A 718 Black 21N

Product Description

A 718 Black 21N is a Polyamide 66, lubricated, heat stabilized for injection molding. This grade contains recycled feedstock especially formulated for improved process ability.

Generic Information

- . Generic name: Polyamide 66
- . Resin ID (ISO 1043): PA66
- . Material status: Commercial: active
- . Availability: South America
- . Form: Pellets

Typical Properties

Notice: These are not to be construed as specifications.

	Standards	Unit	Values (Dry as molded)
Physical			
Density 23°C	ISO 1183/A	g/cm ³	1,14
Molding shrinkage - Parallel / Normal	ISO 294	%	1,60 / 1,80
Mechanical			
Tensile Modulus	ISO 527-2/1A	MPa	3000
Tensile Stress (Yield, 23°C)	ISO 527-2/1A	MPa	75
Tensile Strain (Yield, 23°C)	ISO 527-2	%	3,0
Flexural Modulus (23°C)	ISO 178	MPa	2500
Flexural Strength (23°C)	ISO 178	MPa	105
Charpy Notched Impact Strength (23°C)	ISO 179/1eA	kJ/m ²	4,0
Charpy Unnotched Impact Strength (23°C)	ISO 179/1U	kJ/m ²	90
Thermal			
Heat Deflection Temperature 1.8 MPa	ISO 75-2/Af	°C	65
Melting Temperature	ISO 11357-3	°C	262

Processing information

- . Material is supplied in airtight bags. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment;
- . Max. moisture content for molding: 0.20%
- . Drying temperature: max. 80°C; recommended time: 2-4h; Dew Point < -20°C.
- . The processing parameters might be adjusted in function of injection/extruder configuration, part & mold geometry/design. For specific support, please contact our Technical Services.

Health / Safety Information & Regulations Compliance

- . Detailed information regarding safety is available on the Safety Data Sheet (SDS, FISPQ). Such document is provided with the first material order or available by contacting our customer services.
- . For specific regulation compliance, please contact our Technical Services.
- . Notice: This product is not intended to be used for the following regulated market: food contact, drinking water, toys, cosmetics or medical devices.

Disclaimer

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