

RILSAN® BUM 30 BLACK

PA11, MR, 18-020, GB30

Rilsan® BUM 30 BLACK resin is a glass bead reinforced polyamide 11 produced from a renewable source. The incorporation of glass beads yields a virtually isotropic reinforced product. This black grade is dedicated to injection molding.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is >**95%**.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	20 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1850	MPa	ISO 527-1/-2
	- / 268000	psi	
Stress at Break	268000 / 31	MPa	ISO 527-1/-2
	- / 4500	psi	
Strain at Break	- / 40	%	ISO 527-1/-2
Shore D Hardness	71 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / 96	kJ/m²	ISO 179/1eU
	- / 45.7	ftlb/in²	
Charpy Impact Strength, -30°C	- / 96	kJ/m²	ISO 179/1eU
	- / 45.7	ftlb/in²	
Charpy Notched Impact Strength, +23°C	- / 6	kJ/m²	ISO 179/1eA
	- / 2.85	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 5	kJ/m²	ISO 179/1eA
	- / 2.38	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1230 / 1230	kg/m³	ISO 1183
	1.23 / 1.23	g/cm³	
%Bio-Based	95	-	ASTM D6866

MAIN APPLICATIONS:

- Drinking water applications

RILSAN® BUM 30 BLACK

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE:

Two years from the delivery. For any use above this limit, please refer to our technical services.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 250°C / 270°C / 290°C.
- Mold temperature : 40 - 90°C

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80-90°C.

PROCESSING	
Injection Molding	
DELIVERY FORM	
Pellets	
ADDITIVES	
Release agent	
SPECIAL CHARACTERISTICS	
Bio-Based	
REGIONAL AVAILABILITY	
North America, Europe, Asia Pacific, South and Central America, Near East/Africa	