

Radilon® BL 200 Black

Polyamide 6

Radici Plastics

Message:

Radilon® BL 200 Black is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Radilon® BL 200 Black are:

Flame Rated

Heat Resistant

General Information				
Features	Good Heat Aging Resistance			
Appearance	Black			
Resin ID (ISO 1043)	PA6-I			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	2.4 to 3.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2700	1000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	60.0	37.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	4.0	20	%	ISO 527-2/1A
Flexural Modulus ²	2400	850	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	150	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
Melting Temperature ³	220	--	°C	ISO 3146
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
NOTE				
1.	Saturation			
2.	2.0 mm/min			
3.	10°C/min			

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Recommended distributors for this material

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