

Radilon® BS 200 Natural

Polyamide 6

Radici Plastics

Message:

Radilon® BS 200 Natural is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Radilon® BS 200 Natural: Flame Rated.

General Information				
Features		Heat Stabilized		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	2.7 to 3.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	90.0	50.0	MPa	ISO 527-2/1A
Tensile Strain (Yield)	5.0	20	%	ISO 527-2/1A
Flexural Modulus ²	2600	900	MPa	ISO 178
Flexural Stress ³	100	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	100	--	kJ/m ²	
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	160	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	--	°C	ISO 75-2/A
Melting Temperature ⁴	220	--	°C	ISO 3146
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
NOTE				
1.	Saturation			
2.	2.0 mm/min			
3.	2.0 mm/min			

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Recommended distributors for this material

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