

Polifil® Nylon 628BR-WO

Polyamide 66
The Plastics Group

Message:
Polifil® Nylon 628BR-WO is a Polyamide 66 (Nylon 66) product. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	73.1	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	10	%	
Break	24	%	
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength (Break)	108	MPa	ASTM D790
Deformation Under Load (50°C, 14 MPa)	1.10	%	ASTM D621
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	213	°C	
1.8 MPa, Unannealed	76.7	°C	
Melting Temperature	254	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	22	kV/mm	ASTM D149
Dielectric Constant (10 MHz)	3.70		ASTM D150
Injection	Nominal Value	Unit	
Rear Temperature	238 to 260	°C	
Middle Temperature	249 to 271	°C	
Front Temperature	249 to 271	°C	
Nozzle Temperature	243 to 254	°C	
Processing (Melt) Temp	252 to 266	°C	
Injection Rate	Fast		

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Recommended distributors for this material

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