

Borealis PP MD494WG

Compounded Polypropylene

Borealis AG

Message:

MD494WG is a 40% mineral filled polypropylene compound intended for injection moulding.
This material has excellent balanced mechanical properties and a medium melt flow rate.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Detergent Resistant		
	Good Dimensional Stability		
	Good Processability		
	Heat Stabilized		
	Medium Flow		
	Recyclable Material		
Uses	Appliances		
	Household Goods		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	2500	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.3	kJ/m ²	
23°C	2.1	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	20	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	61.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	157	°C	ISO 306/A

--	95.0	°C	ISO 306/B
NOTE			

1. 2.0 mm/min

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Recommended distributors for this material

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