

# MAJORIS EW317 - 7970

Polypropylene

AD majoris

## Message:

EW317 - 7970 is a 30% chemically coupled glass fibre/mineral reinforced polypropylene compound intended for injection moulding, in specific BMW colour Schwarz Fainnerbe L.

EW317 - 7970 has been developed especially for the automotive applications requiring high UV stability such as external parts.

EW317 - 7970 has high stiffness and good dimensional stability also at high temperatures.

## APPLICATIONS

Products requiring high service temperature, high mechanical strength, high UV resistance and high dimensional stability.

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Chemical coupling		
	Good UV resistance		
	Recyclable materials		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	91.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.7	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	5300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	48	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	159	°C	ISO 75-2/B
1.8 MPa, not annealed	145	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB	UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C IEC 60695-2-12
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	210 - 260	°C
Mold Temperature	30.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	2.0 mm/min	

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