

MAJORIS EW460

Polypropylene Copolymer

AD majoris

Message:

EW460 is a 40% fiber / mineral filled polypropylene copolymer compound intended for injection moulding.

The product is available in both black (EW460 - 8229) and natural (EW460) but other colours can be provided on request.

EW460 has been developed especially for the applications appliances and electrical components.

APPLICATIONS

Products requiring good rigidity, low shrinkage, high dimensional stability can suitably be made from EW460.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Features	Good dimensional stability		
	Copolymer		
	Recyclable materials		
	Low shrinkage		
	Medium hardness		
Uses	Electrical components		
	Electrical appliances		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - 1% Secant	2500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	130	°C	ISO 75-2/B
Ball Pressure Test (138°C)	Pass		NF C 61-303
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	220 - 270	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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