

MAJORIS EX960

Polypropylene

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Message:

EX960 is a High Specific Gravity grade, mineral filled, only available in greyish black and intended for injection moulding.

EX960 has been developed for applications requesting a high density. This quality is used in medical applications that required X and gamma rays protection. EX960 combined good flow properties and provide facilities on plastic part design with low shrinkage, low warpage and good surface finished. In several applications, this High Specific Gravity quality can be used for ballasts and cosmetic applications.

APPLICATIONS

High density and such as:

Building and construction

Cosmetics mouldings

Appliances

General Information			
Filler / Reinforcement	Mineral filler		
Features	Low warpage High specific gravity High density Anti-gamma radiation Recyclable materials Good liquidity Shielded x-ray Low shrinkage Excellent appearance		
Uses	Electrical appliances Cosmetics Building materials Architectural application field Medical/nursing supplies		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	8.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	12.0	MPa	ISO 527-2/50
Flexural Modulus	2100	MPa	ISO 178

Flexural Stress	27.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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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