

MAJORIS EX870

Polypropylene

AD majoris

Message:

EX870 is a High Specific Gravity grade, mineral filled, only available in greyish black and intended for injection moulding.

EX870 has been developed for applications requesting a high density. This quality is used in medical applications that required X and gamma rays protection. EX870 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		
Uses	Excellent appearance		
	Electrical appliances		
	Cosmetics		
	Building materials		
	Architectural application field		
Appearance	Medical/nursing supplies		
	Grey		
	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	5.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2150	MPa	ISO 527-2
Tensile Stress (Yield)	12.0	MPa	ISO 527-2/50
Flexural Modulus	2050	MPa	ISO 178

Flexural Stress	26.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	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	210 - 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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