

# MAJORIS DW444X/8

Polypropylene

AD majoris

Message:

MAJORIS DW444X/8 is a high performance reinforced polypropylene compound intended for injection moulding.

APPLICATIONS

MAJORIS DW444X/8 is intended for components that require good impact strength, rigidity and dimensional stability.

Suitable applications are:

Electrical tool and appliance components

Miscellaneous automotive technical items

Household articles

General Information			
Features	Good dimensional stability		
	Impact resistance, good		
	Recyclable materials		
	Medium hardness		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Home appliance components		
	Household goods		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9530	MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.4	%	ISO 527-2
Flexural Modulus <sup>1</sup>	7580	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	39	kJ/m <sup>2</sup>	ISO 179/1eU
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

Injection	Nominal Value	Unit
Rear Temperature	200 - 220	°C
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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#### Recommended distributors for this material

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