

# MAJORIS ET460 - 8487

Polypropylene

AD majoris

## Message:

ET460 - 8487 is a 40% mineral filled polypropylene compound intended for injection moulding.

The product is available in black (ET460 - 8229) and natural (ET460) but other colours can be provided on request.

ET460 - 8487 has been developed especially for automotive interior parts that require excellent balance between the impact strength and stiffness.

## APPLICATIONS

Automotive interior parts

Motor housing

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Recyclable materials		
Uses	Electric Motor Housings		
	Car interior parts		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	130	°C	ISO 75-2/B
1.8 MPa, not annealed	75.0	°C	ISO 75-2/A
Ball Pressure Test (750°C)	Pass		IEC 60695-10-2
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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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