MAJORIS ET307 - 8584

Polypropylene

AD majoris

Message:

ET307 - 8584 is a 30% mineral filled polypropylene compound intended for injection moulding.
The product is available in natural ET307 but other colours can be provided on request.
ET307 - 8584 has been developed especially for automotive industry. The good flow ability of ET307 - 8584 makes it very easy to process for complicated parts with long flow paths and it offers very high productivity with short cycle times.
APPLICATIONS
For automotive parts requiring good heat and UV stability.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Good UV resistance Recyclable materials Workability, good Fast molding cycle Good liquidity Thermal stability, good		
Uses	Application in Automobile Field		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.14	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 1.1	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	60.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3100	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Flexural Modulus [1]	3000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	44	kJ/m²	ISO 179/1eU
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	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A
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 - 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		

Recommended distributors for this material

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WECHAT