

MAJORIS EE115T - 8938

Polypropylene

AD majoris

Message:

EE115T - 8938 is a mineral reinforced, elastomer modified polypropylene compound intended for injection moulding.

EE115T - 8938 has a controlled thermal expansion, suitable for high flow path/wall thickness ratios and gives a very nice surface. Thus suitable for exterior parts with reduced wall thickness. The product is UV stabilised.

The product is available in dark grey (EE115T - 8938) and natural (EE115T) but other colours can be provided on request.

EE115T - 8938 gives excellent paint ability by use of adhesive primers alone, or by use of other pre-treatments.

APPLICATIONS

Automotive exterior.

Bumper covers, spoilers and exterior trims.

Parts where controlled thermal expansion is needed.

Painted parts

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Impact modifier		
	UV stabilizer		
Features	Impact modification		
	Good UV resistance		
	Recyclable materials		
	Sprayable		
	High liquidity		
	Excellent appearance		
Uses	Car anti-collision bar		
	Automotive exterior parts		
	Car exterior decoration		
Appearance	Available colors		
	Dark gray		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.85 - 0.95	%	
Post Shrinkage	0.15	%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw D	70		ISO 868
Shaw D, 3 seconds	61		ISO 868
Shaw D, 5 seconds	58		ISO 868
Ball Indentation Hardness (H 132/10)	35.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1150	MPa	ISO 527-2/1
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/50
Flexural Modulus ¹	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	5.0	kJ/m ²	ISO 179/1eA
-20°C	6.5	kJ/m ²	ISO 179/1eA
0°C	29	kJ/m ²	ISO 179/1eA
23°C	45	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact (-40°C)	4.5	kJ/m ²	ISO 180/1A
	30.0		
Multi-Axial Instrumented Impact Energy (-20°C, Total Penetration Energy)			
	36.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	87.0	°C	ISO 75-2/B
1.8 MPa, not annealed	49.0	°C	ISO 75-2/A
Vicat Softening Temperature	126	°C	ISO 306/A
CLTE - Flow (23 to 80°C)	< 8.5E-5	cm/cm/°C	ISO 11359-2
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 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressureScrew RPM: Slow to Medium			
NOTE			

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