

VENYL SEG138 - 7963

Polyamide 6
AD majoris

Message:

VENYL SEG138 - 7963 is a polyamide 6 impact modified reinforced with 15 % glass fibre intended for injection moulding.

APPLICATIONS

VENYL SEG138 - 7963 has been developed especially for very demanding applications in automotive industry requiring excellent combination between thermal and mechanical properties.

VENYL SEG138 - 7963 is also available in other colours.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Additive		Impact Modifier		
Features		Impact Modified		
		Recyclable Material		
Uses		Automotive Applications		
Appearance		Colors Available		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.19	--	g/cm ³	ISO 1183
Molding Shrinkage	0.50 to 0.90	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4750	2900	MPa	ISO 527-2
Tensile Stress (Break)	95.0	65.0	MPa	ISO 527-2
Tensile Strain (Break)	4.9	8.4	%	ISO 527-2
Flexural Modulus	4250	2500	MPa	ISO 178
Flexural Stress	132	85.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	20	25	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	65	95	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature (DSC)	220	--	°C	ISO 3146
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Glow Wire Flammability Index (2.00 mm)	650	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature	90.0		°C	

Drying Time	4.0	hr
Rear Temperature	245 to 265	°C
Middle Temperature	250 to 270	°C
Front Temperature	255 to 275	°C
Nozzle Temperature	255 to 275	°C
Mold Temperature	65.0 to 100	°C
Injection Pressure	85.0 to 110	MPa
Injection Rate	Fast	
Holding Pressure	50.0 to 70.0	MPa
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	

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