

VYTEEN PC/ABS FR-NH Colored

Polycarbonate + ABS

Lavergne Group

Message:

Vyteen PC/ABS FR-NH colored, is a nonhalogen ignition resistant PC/ABS alloy that contain no chlorine or bromine additives and contains no less than 65% recycled material.

- Features
- High resilience
- V-0 Flammability at 1.6mm
- High Surface quality
- RoHS
- UL certified
- Typical Applications
- Electronics
- Appliances housing
- Electrical components

General Information			
UL YellowCard	E216152-100744557		
Recycled Content	Yes		
Features	Chlorine Free		
	Halogen-free		
	Bromine-free		
	Excellent appearance		
	Elastic		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Home appliance components		
	Shell		
Agency Ratings	UL not rated		
RoHS Compliance	RoHS compliance		
Appearance	Unspecified Color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/12.5 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.40 - 0.60	%	ASTM D955
Transverse flow	0.50 - 0.70	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	50.0	MPa	ASTM D638
Tensile Elongation ² (Break)	30	%	ASTM D638
Flexural Modulus ³	2500	MPa	ASTM D790
Flexural Strength ⁴	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
	V-0		
Flame Rating (1.50 mm)	5VB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 - 240	°C	
Middle Temperature	250 - 260	°C	
Front Temperature	260 - 270	°C	
Nozzle Temperature	275 - 280	°C	
Processing (Melt) Temp	265 - 275	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection Rate	Moderate-Fast		
Vent Depth	0.032 - 0.076	mm	
Injection instructions			
Injection Pressure: MediumBack Pressure: Medium			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		

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