

VYTEEN ABS 2901

Acrylonitrile Butadiene Styrene

Lavergne Group

Message:

Vyteen ABS 2901 is a black recycled general purpose ABS terpolymer with balanced impact/stiffness properties designed for injection molding applications

- Features
- Good resilience
 - Good processability
 - High Stiffness
- Typical Applications
- Structural parts
 - Appliances housing
 - Electrical components
 - Automotive

General Information			
Recycled Content	Yes		
Features	Rigidity, high		
	Impact resistance, good		
	Terpolymer		
	General		
	Elastic		
Uses	Electrical/Electronic Applications		
	Components		
	Home appliance components		
	Application in Automobile Field		
	General		
	Shell		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.60 - 0.80	%	ASTM D955
Transverse flow	0.70 - 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	40.0	MPa	ASTM D638
Flexural Modulus ²	2500	MPa	ASTM D790
Flexural Strength ³	70.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	< 80.0	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	160 - 180	°C	
Middle Temperature	200 - 210	°C	
Front Temperature	210 - 220	°C	
Nozzle Temperature	210 - 220	°C	
Processing (Melt) Temp	200 - 220	°C	
Mold Temperature	50.0 - 60.0	°C	
Injection Rate	Moderate-Fast		
Screw Speed	60 - 90	rpm	
Injection instructions			
Injection Pressure: MediumBack Pressure: Medium			
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		
3.	1.3 mm/min		

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