

VYTEEN ABS 2904 DX9

Acrylonitrile Butadiene Styrene

Lavergne Group

Message:

Vyteen ABS 2904 DX9 is a Daimler Chrysler DX9 black, recycled ABS high impact high flow with balanced impact / stiffness properties designed for injection molding applications.

Features

Excellent resilience

Good processability

DX9 color consistency

Typical Applications

Automotive MS DB200 compliance

Appliances housing

Electrical components

General Information			
Recycled Content	Yes		
Features	Rigidity, high		
	Impact resistance, high		
	Workability, good		
	High liquidity		
	Elastic		
Uses	Home appliance components		
	Application in Automobile Field		
	Shell		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.50	%	ASTM D955
Transverse flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	37.0	MPa	ASTM D638
Flexural Modulus ²	2100	MPa	ASTM D790
Flexural Strength ³	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256

Dart Drop Impact			ASTM D5420
-29°C	4.00	J	ASTM D5420
23°C	15.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Burning Rate	45	mm/min	SAE J369
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.30	%	
Rear Temperature	185 - 195	°C	
Middle Temperature	200 - 210	°C	
Front Temperature	220 - 240	°C	
Nozzle Temperature	230 - 240	°C	
Processing (Melt) Temp	220 - 235	°C	
Mold Temperature	50.0 - 70.0	°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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

