

VYSTYRENE PS 3901

High Impact Polystyrene

Lavergne Group

Message:

Vystyrene PS 3901 is a Black Impact Modified Polystyrene compound with balanced impact / stiffness properties designed for injection molding applications

Features

High resilience

Excellent processability

Good stiffness

Typical Applications

Molded parts and covers

Appliances housing

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Rigidity, high		
	Impact resistance, good		
	Workability, good		
	Elastic		
Uses	Home appliance components		
	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)	8.0 - 12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.0	MPa	ASTM D638
Flexural Strength ²	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Injection	Nominal Value	Unit	
Rear Temperature	175 - 185	°C	
Middle Temperature	185 - 200	°C	
Front Temperature	200 - 210	°C	
Nozzle Temperature	220 - 230	°C	
Processing (Melt) Temp	200 - 230	°C	
Mold Temperature	30.0 - 50.0	°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	

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