

Sumitomo PP AZ764

Polypropylene Copolymer

Sumitomo Chemical Asia

Message:

Pre-marketing material is manufactured by The Polyolefin Company (Singapore) Pte Ltd (TPC) and may be packaged as Cosmoplene AZ764 in TPC bags.
Applications: For general purpose applications such as pails and containers, thin walled packaging, electrical appliances, housewares, etc.
Characteristics: High flow, high impact, high stiffness and high heat stability, with nucleating and antistatic agent.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Block Copolymer		
	Good Thermal Stability		
	High Flow		
	High Impact Resistance		
	High Stiffness		
	Nucleated		
Uses	Appliance Components		
	Appliances		
	Containers		
	Household Goods		
	Pails		
	Thin-walled Packaging		
Agency Ratings	EU 2002/72/EC		
	EU 2004/19/EC		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	39	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Across Flow	1.7	%	
Flow	1.4	%	
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	25.0	MPa	
Break	18.0	MPa	
Flexural Modulus	1360	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ASTM D256
-20°C	6.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	119	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	20.0 to 70.0	°C	
NOTE			
1.	Loading 1 (10 N)		

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Recommended distributors for this material

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