

Petro Rabigh PP AZ764

Polypropylene Impact Copolymer
Rabigh Refining & Petrochemical Co.

Message:

AZ764 is a block copolymer polypropylene intended for industrial application & thin wall applications. It has a high melt flow and formulated with nucleating agent and anti-static. Injection molding parts made from this resin exhibit good impact, high stiffness and good heat stability.

- Applications
- Crates
 - Thin wall application
 - Industrial application
 - Electrical appliances

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Block Copolymer		
	Good Impact Resistance		
	Good Stiffness		
	Heat Stabilized		
	High Flow		
	Nucleated		
Uses	Appliances		
	Crates		
	Industrial Applications		
	Thin-walled Packaging		
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
Flow	1.4	%	
Across Flow	1.7	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	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 D790
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	
NOTE			
1.	Loading 1 (10 N)		

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