

# Sumitomo PP AR564

Polypropylene Copolymer  
Sumitomo Chemical Asia

Message:

Applications For industrial applications such as crates, washing machine parts, electrical appliances, household appliances, etc.  
Characteristics High flow, high impact, high stiffness, and high heat stability.

General Information			
Features	Block Copolymer		
	High Flow		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
Uses	Appliance Components		
	Appliances		
	Crates		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Across Flow	1.4	%	
Flow	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.0	MPa	
Break	17.0	MPa	
Flexural Modulus	1290	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ASTM D256
-20°C	5.0	kJ/m <sup>2</sup>	
23°C	8.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	109	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525 <sup>1</sup>
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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