

TOTAL Polypropylene PPH 3927WZ

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene 3927WZ is nucleated to provide fast cycle time and improve contact clarity.
Antistat: 3927WZ contains an antistat that will help protect molded parts from shelf dusting.
FDA: 3927WZ complies with all applicable FDA regulations for food contact applications.
Applications: 3927WZ is recommended for thin wall parts, caps and closures in multi-cavity molds.
Processing: 3927WZ processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C).

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Homopolymer		
	Antistatic property		
	Fast molding cycle		
	Good liquidity		
	Compliance of Food Exposure		
	Transparent appearance		
Uses	Thin wall parts		
	Shield		
	Shell		
Agency Ratings	FDA Food Exposure, Not Rated		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1970	MPa	ASTM D638
Tensile Strength	37.9	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256A

Unnotched Izod Impact (23°C)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°C	ASTM D648
Melting Temperature	166	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 - 232	°C	

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