

TOTAL Polypropylene PPH 3827WZ

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Nucleation. Total Petrochemicals Polypropylene 3827WZ is engineered to provide fast cycle times.
Antistat. 3827WZ contains an antistat that will help protect molded parts from dust accumulation.
FDA. 3827WZ complies with all applicable FDA regulations for food contact applications.
Recommended Applications. 3827WZ is recommended for applications requiring fast cycle times, excellent color performance and good contact clarity, including housewares, containers, caps, and closures.
Processing. 3827WZ resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Call the nearest Total Petrochemicals Polypropylene Sales Office for additional information.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Contact Clarity		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Color Stability		
	Nucleated		
Uses	Caps		
	Closures		
	Containers		
	Household Goods		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
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)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ASTM D638
Tensile Strength (Yield)	38.6	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	27	J/m	ASTM D256A
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 to 232	°C	

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Recommended distributors for this material

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