

TOTAL Polypropylene PPH 3825WZ

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 3825WZ is engineered with nucleation to provide fast cycle time and improve contact clarity in thin wall multi-cavity molds.

3825WZ contains an antistat that will help protect molded parts from dust accumulation.

3825WZ complies with all applicable FDA regulations for food contact applications.

3825WZ is recommended for large thin wall parts, caps, and closures.

General Information			
UL YellowCard	E66261-247994		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Contact Clarity		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Flow		
	Nucleated		
Uses	Caps		
	Closures		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	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)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1720	MPa	ASTM D638
Tensile Strength (Yield)	38.6	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	32	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	200 to 232	°C	

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