TOTAL Polypropylene PPH 3721WZ

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3721WZ is designed with high flow characteristics for ease of filling thin wall parts.
TOTAL Polypropylene 3721WZ is engineered with a high level of antistat for shelf cleanliness and mold release.
TOTAL Polypropylene 3721WZ complies with all applicable FDA regulations for food contact applications.
TOTAL Polypropylene 3721WZ is nucleated to provide fast cycle time and improve contact clarity in thin wall, multi-cavity molds.
TOTAL Polypropylene 3721WZ is ideal for caps, closures, cutlery, and other thin wall multi-cavity applications.

General Information			
UL YellowCard	E66261-247990		
Additive	Antistatic Nucleating Agent		
Features	Antistatic Contact Clarity Fast Molding Cycle Food Contact Acceptable High 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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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	1790	MPa	ASTM D638
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638

Flexural Modulus	1760	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°C	ASTM D648
Melting Temperature	158	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 232	°C	

Recommended distributors for this material

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