

TOTAL Polypropylene PPH 3720WZ

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3720WZ has high flow characteristics that result in ease of filling thin wall parts.
TOTAL Polypropylene 3720WZ is nucleated to provide fast cycle time and improved contact clarity in thin wall, multi-cavity molds.
TOTAL Polypropylene 3720WZ contains an antistat that will help protect molded parts from dust accumulation.
TOTAL Polypropylene 3720WZ complies with all applicable FDA regulations for food contact applications.
TOTAL Polypropylene 3720WZ is recommended for caps, closures, and thin wall containers.

General Information			
UL YellowCard	E66261-247989		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Contact Clarity		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Flow		
	Nucleated		
Uses	Caps		
	Closures		
	Thin-walled Containers		
	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)	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)	13	%	ASTM D638
Flexural Modulus	1520	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	166	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 232	°C	

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