

TOTAL Polypropylene PPC 4921WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 4921WZ is an impact copolymer with a Melt Flow of 105 g/10min. 4921WZ is characterized by excellent stiffness and impact resistance, excellent antistatic properties, as well as extremely good flow properties to allow faster cycling through early demolding. 4921WZ complies with all applicable FDA regulations for food contact applications. 4921WZ has been developed for high-speed injection molding of thin-walled packaging containers and household articles.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
	High Stiffness		
Uses	Impact Copolymer		
Agency Ratings	Household Goods		
	Thin-walled Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Unspecified Rating		
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)	110	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
Melting Temperature	160 to 165	°C	Internal Method

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

