

TOTAL Polypropylene PPC 4944WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 4944WZ polypropylene is a nucleated and controlled rheology impact copolymer with a very high Melt Flow of 50 g/10min. 4944WZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for high speed printing with good antistatic properties. 4944WZ has been developed for high speed injection molding of thin-walled packaging containers and household articles.

General Information			
UL YellowCard	E66261-568637		
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Low warpage		
	Rigid, good		
	Antistatic property		
	Impact resistance, good		
	Controlled rheology		
	High liquidity		
	Low shrinkage		
Uses	Thin wall packaging		
	Thin wall container		
	Household goods		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
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)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.2	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ASTM D1525
Melting Temperature	163	°C	
Additional Information			

Heat Deflection, ASTM D648: 90°C Melting Point, Total PP Method: 160 to 165°C

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