

TOTAL Polypropylene PPC 4824WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

TOTAL 4824WZ polypropylene is a nucleated impact copolymer with a Melt Flow of 40 g/10min.
TOTAL 4824WZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties.
TOTAL 4824WZ has been developed for high speed injection molding of thin-walled packaging containers and household articles.

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Low warpage		
	Rigid, good		
	Antistatic property		
	Impact resistance, good		
	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)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	48	J/m	ASTM D256
23°C	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	148	°C	ASTM D1525
Melting Temperature	163	°C	
Additional Information			

Charpy Impact Strength, DIN 53453, -20°C: 5 kJ/m²Charpy Impact Strength, DIN 53453, 23°C: 8 kJ/m²Heat Deflection, ASTM D648: 98°CMelting Point, Total PP Method: 160 to 165°C

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