TOTAL Polypropylene PPC 4944CWZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

TOTAL 4944CWZ polypropylene is a nucleated and controlled rheology impact copolymer with a very High Melt Flow of 50 g/10min.
TOTAL 4944CWZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties and mold release characteristics.
TOTAL 4944CWZ 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 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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)	50	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	80	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°CMelting Point, Total PP Method: 160 to 165°C

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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