TOTAL Polypropylene PPC 4740WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene 4740WZ polypropylene is a nucleated impact copolymer with a Melt Flow of 25 g/10min.

Easy Flow: 4740WZ is characterized by improved stiffness, creep resistance, high impact resistance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

Applications: 4740WZ has been developed specifically for the injection molding of garden furniture, housewares and thin-walled articles.

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Rigid, good		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	Fast molding cycle		
	Good creep resistance		
Uses	Thin wall parts		
	Lawn and Garden Equipment		
	Furniture		
	Household goods		
Forms	Particle		
Processing Method	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	43	J/m	ASTM D256
23°C	96	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ASTM D1525
Melting Temperature	160 - 165	°C	Internal method

| Heat Deflection Temperature | 110 | °C | ASTM D648 |

Recommended distributors for this material　　　　Page 2

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