



TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPC 10542

Provisional Technical data sheet
Polypropylene – Heterophasic Copolymer
Produced in Europe

Description

Polypropylene PPC 10542 is a nucleated antistatic heterophasic copolymer with a high Melt Flow Index

Polypropylene PPC 10542 is characterised by high rigidity which generates opportunities for down gauging and cycle time reductions

Polypropylene PPC 10542 has been developed for high speed injection moulding of pails and food packaging.

We hereby confirm that we do not use peroxide in the manufacturing of the above-mentioned Product.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	45
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	30
Elongation at Yield	ISO 527-2	%	4.5
Tensile modulus	ISO 527-2	MPa	1800
Flexural modulus	ISO 178	MPa	1700
Izod Impact Strength (notched)	ISO 180	kJ/m ²	
at 23°C			7.0
at -20°C			3.5
Hardness Rockwell - R-scale	ISO 2039-2		100
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			83
10N-50°C per hour			152
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			56
0.45 MPa - 120°C per hour			110
Other physical properties			
Density	ISO 1183	g/cm ³	0.905
Bulk Density	ISO 1183	g/cm ³	0.525

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product.

SDS may be obtained from the website: www.polymers.totalenergies.com.

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