



**TotalEnergies**

Refining & Chemicals  
Polymers

+135-3858-6433 (GuangDong)  
+188-1699-6168 (ShangHai)  
+852-6957-5415 (HongKong)

**Polypropylene PPC 4663**

Technical data sheet  
Polypropylene – Heterophasic Copolymer  
Produced in Europe

### Description

Polypropylene PPC 4663 is heterophasic copolymer with a Melt Flow Index of 3.5 g/10min. Polypropylene PPC 4663 is characterized by a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial. These include the manufacture of chair shells, pails, crates and other articles requiring a combination of good stiffness and impact properties. Polypropylene PPC 4663 has been formulated to give good UV resistance.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	3.5
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	25
Elongation at Yield	ISO 527-2	%	7
Tensile modulus	ISO 527-2	MPa	1300
Flexural modulus	ISO 178	MPa	1200
Izod Impact Strength (notched)	ISO 180	kJ/m <sup>2</sup>	
at 23°C			18
at -20°C			5.5
Charpy Impact Strength (notched)	ISO 179	kJ/m <sup>2</sup>	
at 23°C			20
at -20°C			7
Hardness Rockwell - R-scale	ISO 2039-2		82
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			70
10N-50°C per hour			147
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			50
0.45 MPa - 120°C per hour			92
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

Polypropylene