

# TOTAL Polypropylene PPC 4663

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

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.

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good UV Resistance		
Uses	Crates		
	Furniture		
	Pails		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.53	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	7.0	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	7.0	kJ/m <sup>2</sup>	
23°C	20	kJ/m <sup>2</sup>	
Notched Izod Impact Strength			ISO 180
-20°C	5.5	kJ/m <sup>2</sup>	
23°C	18	kJ/m <sup>2</sup>	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	92.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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#### Recommended distributors for this material

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