

TOTAL Polypropylene PPC 5660

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPC 5660 is heterophasic copolymer with a Melt Flow Index of 7 g/10min.
Polypropylene PPC 5660 is characterized by a medium fluidity offering a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial.
Polypropylene PPC 5660 has been developed for the manufacture of garden furniture, battery cases and other articles requiring a combination of good stiffness and impact properties.

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Medium Flow		
Uses	Battery Cases		
	Furniture		
	Household Goods		
	Industrial Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		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)	6.0	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	13	kJ/m ²	
Notched Izod Impact Strength			ISO 180
-20°C	5.5	kJ/m ²	

23°C	10	kJ/m ²	
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			
--	145	°C	ISO 306/A50
--	65.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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Recommended distributors for this material

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

