

# ATOFINA Polypropylene PPC 7760

## Polypropylene - Heterophasic copolymer

### **DESCRIPTION >>**

ATOFINA Polypropylene PPC 7760 is heterophasic copolymer with a Melt Flow Index of 13 g/10 min.

ATOFINA Polypropylene PPC 7760 is characterised by a medium fluidity offering a combination of ease of processing and excellent impact properties in applications ranging from industrial to household.

ATOFINA Polypropylene PPC 7760 has been developed for the manufacture of garden furniture, battery cases, caps, closures, paint containers and toys.

### **RHEOLOGICAL PROPERTIES >>**

Property	Method	Unit	Value
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	13

### **MECHANICAL PROPERTIES >>**

Property	Method	Unit	Value
Tensile Strength at Yield	ISO 527-2	MPa	24
Elongation at Yield	ISO 527-2	%	6
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			10
at - 20°C			5.5
Charpy Impact Strength (notched)	ISO 179	kJ/m <sup>2</sup>	
at 23°C			11
at - 20°C			6
Hardness Rockwell - R-scale	ISO 2039-2		82

### **THERMAL PROPERTIES >>**

Property	Method	Unit	Value
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			70
10N-50°C per hour			140
Heat Deflection Temperature	ISO 75-2	°C	
1.80 MPa - 120°C per hour			48
0.45 MPa - 120°C per hour			90

## **OTHER PHYSICAL PROPERTIES >>**

Property	Method	Unit	Value
Density	ISO 1183	g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

### **ATOFINA**

ATOFINA Research  
Zone Industrielle C  
B-7181 Feluy  
Belgium

Last updated: 15/02/2002

Author: Linda Elias  
Tel: +32(0)64 514111  
Fax: +32(0)64 514660

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