

# performanceplastics

## Polpropylene PPC 5660

Polypropylene copolymer, good mechanical properties, medium fluidity

### Properties

Physical	Method	Condition	Unit	Value
Melt Index	ISO 1133	230°C/2.16kg	g/10mi	7
Density	ISO 1183		g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183		g/cm <sup>3</sup>	0.525

Mechanical	Method	Condition	Unit	Value
Tensile strength at	ISO 527-2		MPa	25
Elongation at yield	ISO 527-2		%	6
Tensile modulus	ISO 527-2		MPa	1300
Flexural modulus	ISO 178		MPa	1200
Izod impact strength	ISO 180	notched 23°C	kJ/m <sup>2</sup>	10
Izod impact strength	ISO 180	notched -20°C	kJ/m <sup>2</sup>	5.5
Charpy impact strength	ISO 179	notched 23°C	kJ/m <sup>2</sup>	13
Charpy impact strength	ISO 179	notched -20°C	kJ/m <sup>2</sup>	6
Hardness rockwell	ISO 2039-2	R scale		85

Thermal	Method	Condition	Unit	Value
Melting point	ISO 3146		°C	165
Vicat Temperature	ISO 306	50N-50°C / h	°C	65
Vicat Temperature	ISO 306	10N-50°C / h	°C	135
HDT	ISO 752	1.80MPa - 120°C/h	°C	50
HDT	ISO 752	0.45MPa - 120°C/h	°C	92

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Performance Plastics Ltd

Tel. 01425 403543

Website

[www.performance-plastics.co.uk](http://www.performance-plastics.co.uk)