

# TECHNICAL DATASHEET

## PP H4120



### PRODUCT DESCRIPTION

PP H4120 is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 12 g/10min. PP H4120 has good gloss, excellent flow and good mechanical properties.

### TRPICAL APPLICATION

PP H4120 is intended for injection molding for packaging containers, toys, domestic appliances, garden furniture, caps, closures, boxes and household articles.

### TYPICAL DATA

Physical	Method	Unit	Value
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	12
Melting Temperature	ISO 11357-3	°C	163
Vicat Softening Temperature	ISO 306	°C	152
Heat Distortion Temperature @ 0.45 MPa	ISO 75-2	°C	102
Density	ISO 1183	g/cm <sup>3</sup>	0.9

Mechanical	Method	Unit	Value
Tensile Strength @ Yield	ISO 527-2	MPa	33
Tensile Elongation @ Yield	ISO 527-2	%	10
Flexural Modulus (1% Secant)	ISO 178	MPa	1400
Charpy Impact Strength (Notched) at 23 °C	ISO 179/1eA	KJ/m <sup>2</sup>	3.0
Rockwell Hardness	ISO 2039-2	R	100

Typical Processing Conditions	
Melt Temperature	210 – 260 °C
Mold Temperature	20 – 45 °C
Shrinkage	1 – 2% depending on wall thickness and molding conditions

**NOTE** Processing parameters should only be used as guidelines. The above properties values are not to be construed as specifications.