

## Polypropylene H 603

### Sub-group:

Homopolymer

### Description:

H 603 is a low melt flow rate homopolymer with general purpose additive package. This resin is designed for blow moulding and extrusion. H 603 exhibits an excellent processability, excellent stiffness/impact strength balance, high melt strength and low odor/taste transfer

### Applications:

Bottles for mineral water, vinegar and food; Flat and corrugated sheets in general

### Processing:

Blow Moulding  
Extrusion

### Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	1.5

### Typical Properties<sup>a</sup>:

	ISO Method	Units	Values
Density	1183-1	g/cm <sup>3</sup>	0.905
Flexural Modulus	178	MPa	1500
Tensile Strength at Yield	527-1	MPa	33
Tensile Elongation at Yield	527-1	%	14
Rockwell Hardness (R Scale)	2039-2	-	98
Notched Izod Impact Strength at 23°C	180	kJ/m <sup>2</sup>	3.8
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	53
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	89
Vicat Softening Temperature at 10 N	306	°C	154

a) Injection molded specimen according to ISO 294.

