

Polypropylene H 603

Sub-group:

Homopolymer

Description:

H 603 is a low melt flow rate homopolymer used for general purposes. This resin is designed for blow moulding and extrusion applications. H 603 exhibits 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:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	1.5

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1300
Tensile Strength at Yield	D 638	MPa	33
Tensile Elongation at Yield	D 638	%	11
Rockwell Hardness (R Scale)	D 785	-	98
Notched Izod Impact Strength at 23°C	D 256	J/m	40
Deflection Temperature under Load at 1.820 MPa	D 648	°C	53
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Vicat Softening Temperature at 10 N	D 1525	°C	154

a) Injection molded specimen according to ASTM D 4101.

