

Polypropylene H 103

Sub-group:

Homopolymer

Description:

H 103 is a high melt flow rate additivated homopolymer used for general purposes. The product exhibits excellent processing performance on injection moulding applications.

Applications:

Thin-walled packages for food and cosmetics; Toys; Household appliances; Sealed bottle caps; Compounds; Coating for raffia bags or big-bag.

Processing:

Injection Moulding
Extrusion Coating

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	40

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1200
Tensile Strength at Yield	D 638	MPa	34
Tensile Elongation at Yield	D 638	%	12
Rockwell Hardness (R Scale)	D 785	-	101
Notched Izod Impact Strength at 23°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	98
Deflection Temperature under Load at 1.820 MPa	D 648	°C	55
Vicat Softening Temperature at 10 N	D 1525	°C	156

a) Injection molded specimen according to ASTM D 4101.

