

Polypropylene H 105

Sub-group:

Homopolymer

Description:

H 105 is a high melt flow rate homopolymer with high transparency. Designed for use on thin-walled injection moulding parts with high output. This product exhibits excellent processability and very high stiffness.

Applications:

High transparency packaging for food and cosmetics; Thin-walled household appliances; Thin-walled parts and easy mould filling; Toys.

Processing:

Injection Moulding

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	1700
Tensile Strength at Yield	D 638	MPa	39
Tensile Elongation at Yield	D 638	%	8
Rockwell Hardness (R Scale)	D 785	-	102
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	110
Deflection Temperature under Load at 1.820 MPa	D 648	°C	59
Vicat Softening Temperature at 10 N	D 1525	°C	154
Haze ^b	D 1003	%	34

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

