

Polypropylene H 605

Sub-group:

Homopolymer

Description:

H 605 is a low melt flow rate homopolymer with high transparency. This resin is designed for extrusion and thermoforming. H 605 exhibits excellent processability, high output, excellent stiffness/impact strength balance, high melt strength, outstanding optical properties and low odor/taste transfer.

Applications:

Highly transparent thermoformed packages for food, cosmetic, health care and cleaning products; Flat and corrugated sheets for school and office folders

Processing:

Thermoforming
Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10	2.1

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1500
Tensile Strength at Yield	D 638	MPa	34
Tensile Elongation at Yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	103
Notched Izod Impact Strength at 23°C	D 256	J/m	50
Deflection Temperature under Load at 1.820 MPa	D 648	°C	57
Deflection Temperature under Load at 0.455 MPa	D 648	°C	112
Vicat Softening Temperature at 10 N	D 1525	°C	155
Haze ^b	D 1003	%	36

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

