

Polypropylene H 118

Sub-group:

Homopolymer

Description:

H 118 is a high melt flow rate polypropilene resin. Its formulation allows maximum performance in fast-cycle and thin-walled applications. H 118 also features excellent stiffness and thermal strength.

Applications:

Fast-cycle injection; Thin-walled parts.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	45

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	38
Tensile Elongation at Yield	D 638	%	9
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	121
Deflection Temperature under Load at 1.820 MPa	D 648	°C	65
Vicat Softening Temperature at 10 N	D 1525	°C	155

a) Injection molded specimen according to ASTM D 4101.

