

Polypropylene ES 540S

Sub-group:

Heterophasic Copolymer

Description:

ES 540S is a very high fluidity heterophasic copolymer with good balance of stiffness and impact.

Applications:

Injection Molding of thin parts, cups, closures, appliances.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	42

Typical Properties^{a)}:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus – 1% secant	D 790	MPa	1350
Tensile Strength at Yield	D 638	MPa	27
Tensile Elongation at Yield	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	89
Notched Izod Impact Strength at 23°C	D 256	J/m	60
Notched Izod Impact Strength at -20°C	D 256	J/m	35
Deflection Temperature under Load at 0.455 MPa	D 648	°C	108

a) Injection molded specimen according to ASTM D 4101.

