

Polypropylene EP 440P

Sub-group:

Heterophasic Copolymer

Description:

EP 440P is a medium melt flow rate heterophasic copolymer that combines good impact strength, stiffness and easy processability.

Applications:

Injection of industrial buckets.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	17

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus – 1% secant	D 790	MPa	1100
Tensile Strength at Yield	D 638	MPa	25
Tensile Elongation at Yield	D 638	%	5
Rockwell Hardness (R Scale)	D 785	-	55
Notched Izod Impact Strength at 23°C	D 256	J/m	170
Notched Izod Impact Strength at -20°C	D 256	J/m	75
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95

a) Injection molded specimen according to ASTM D 4101.

