

Polypropylene EP 440N

Sub-group:

Heterophasic Copolymer

Description:

EP 440N is a medium melt flow rate heterophasic copolymer combining good impact strength, stiffness and easy processability.

Applications:

Injection of appliance components, toys, technical parts in general.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	12

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.903
Flexural Modulus – 1% secant	D 790	MPa	1050
Tensile Strength at Yield	D 638	MPa	22
Tensile Elongation at Yield	D 638	%	6
Shore Hardness (D Scale)	D 2240	-	67
Notched Izod Impact Strength at 23°C	D 256	J/m	140
Notched Izod Impact Strength at -20°C	D 256	J/m	65
Deflection Temperature under Load at 0.455 MPa	D 648	°C	97
Vicat Softening Temperature at 10 N	D 1525	°C	145

a) Injection molded specimen according to ASTM D 4101.

