

Polypropylene CP 442XP

Sub-group:

Heterophasic Copolymer

Description:

CP 442XP is a medium melt flow rate heterophasic copolymer suitable for injection moulding applications. The product combines good stiffness with excellent impact resistance even at sub-zero temperatures and also provides good surface properties and excellent processability.

Applications:

Automotive parts; Toys; Household Appliances; Crates; Buckets; Compounds.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	6.0

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.895
Flexural Modulus – 1% secant	D 790	MPa	1100
Tensile Strength at Yield	D 638	MPa	24
Tensile Elongation at Yield	D 638	%	7
Rockwell Hardness (R Scale)	D 785	-	79
Notched Izod Impact Strength at 23°C	D 256	J/m	170
Notched Izod Impact Strength at -20°C	D 256	J/m	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	93
Deflection Temperature under Load at 1.820 MPa	D 648	°C	52
Vicat Softening Temperature at 10 N	D 1525	°C	145

a) Injection molded specimen according to ASTM D 4101.

