

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 Molding

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	6.0

Typical Properties^{a)}:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.895
Flexural Modulus – 1% secant	178	MPa	1050
Tensile Strength at Yield	527-1	MPa	24
Tensile Elongation at Yield	527-1	%	7
Rockwell Hardness (R Scale)	2039-2	-	68
Notched Izod Impact Strength at 23°C	180	kJ/m ²	34
Notched Izod Impact Strength at -20°C	180	kJ/m ²	4.4
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	93
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	52
Vicat Softening Temperature at 10 N	306	°C	145

a) Injection molded specimen according to ISO 294.

