

Niplene C50

Polypropylene homopolymer, filled with 50% calcium carbonate, for the injection moulding of Items of medium hardness and good aesthetical surface

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	8
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	20
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	45
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	3300
	Rockwell Hardness		ASTM D785	R-scale	108
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	20
	Elongation	50 mm/min	ASTM D638	%	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	115
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	70
Various	Density		ASTM D792	g/cm ³	1,24
	Moulding Shrinkage	parallel	-	%	0,7-1,2