

# Niplene C30

Polypropylene homopolymer, filled with 30% 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	10
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	2800
	Rockwell Hardness		ASTM D785	R-scale	105
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	30
	Elongation	50 mm/min	ASTM D638	%	60
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	110
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	65
Various	Density		ASTM D792	g/cm <sup>3</sup>	1,12
	Moulding Shrinkage	parallel	-	%	0,8-1,4