



POLIFOR 12 CA/40 H-D NATURALE Y1 AA120155S

Polypropylene Compound (PP)

Description	Polypropylene homopolymer, 42% calcium carbonate filled, heat and detergent stabilized
Color	Natural
Markets	Appliances
Applications	Dishwasher basement, Washing machine tub
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Processing technology	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Melt Flow Index 230°C/2,16kg	12 g/10min	12 g/10min	ASTM D1238
Density	1.25 g/cm ³	1.25 g/cm ³	ASTM D792
Ash Content	42 %	42 %	INTERNAL
Mold Shrinkage	1.25 %	1.25 %	INTERNAL
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	22 MPa	3190 psi	ASTM D638
Tensile strength at break	17 MPa	2465 psi	ASTM D638
Tensile elongation at break	60 %	60 %	ASTM D638
Tensile Modulus	3400 MPa	493000 psi	ASTM D638
Flexural Modulus	2500 MPa	362500 psi	ASTM D790
IZOD impact strength, notched (23 °C)	32 J/m	0.598 ft-lb/inch	ASTM D256
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat B (50°C/h at 50 N)	100 °C	212 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	120 °C	248 F°	ASTM D648
Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (1,6 mm)	HB Class	HB Class	UL94
Flame Rating (3,2 mm)	HB Class	HB Class	UL94

Processing conditions	Typical value (SI)	Typical value (EN)
Drying	3h/80 °C	3h/176 °F
Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	190 °C	374 °F
2nd Zone	210 °C	410 °F
3rd Zone	230 °C	446 °F
Mould	50-70 °C	122-158 °F

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

Disclaimer

The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TER. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application. Test carried out at 23°C unless otherwise stated.

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