

Polifor® 12 CA/40 H-D NATURALE Y1

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer, 42% calcium carbonate filled, heat and detergent stabilized

General Information			
Filler / Reinforcement	Calcium Carbonate,42% Filler by Weight		
Additive	Heat Stabilizer		
Features	Detergent Resistant		
	Heat Stabilized		
	Homopolymer		
Uses	Appliances		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage	1.3	%	Internal Method
Ash Content	42	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	22.0	MPa	
Break	17.0	MPa	
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	3.0	hr
Rear Temperature	190	°C
Middle Temperature	210	°C
Front Temperature	230	°C
Mold Temperature	50.0 to 70.0	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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