

Hostacom PF231-4C

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom PF231-4C conventional melt flow, 2,400 MPa flexural modulus, precolored, 35% calcium carbonate filled polypropylene homopolymer has a good balance of properties and processability.

Typical applications include lawn and garden irrigation components.

General Information			
Filler / Reinforcement	Calcium Carbonate,35% Filler by Weight		
Features	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	High Rigidity		
	Homopolymer		
Uses	Industrial Applications		
	Lawn and Garden Equipment		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	24.8	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2
Break	15.9	MPa	ASTM D638
Tensile Elongation			
Yield	4.0	%	ASTM D638
Yield	5.0	%	ISO 527-2
Break	50	%	ASTM D638
Flexural Modulus			
--	2000	MPa	ASTM D790
--	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			

23°C	37	J/m	ASTM D256
23°C	4.0	kJ/m ²	ISO 180
Gardner Impact	36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	95.0	°C	ASTM D648
0.45 MPa, Unannealed	111	°C	ISO 75-2/B

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