

Jampilen HP432C

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP432C is a homopolymer with high molecular weight and outstanding mechanical properties. The product exhibits excellent processability in extrusion applications and exhibits excellent long-term heat ageing resistance. Jampilen HP432C is well suited for technical extrusion applications that require both high stiffness and high impact resistance. Jampilen HP432C is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Heat Aging Resistance		
	Good Processability		
	Good Stiffness		
	High Impact Resistance		
	High Molecular Weight		
	Homopolymer		
Uses	Containers		
	Engineering Parts		
	Fittings		
	Industrial Applications		
	Piping		
	Profiles		
	Sheet		
	Strapping		
	Thermoformed Containers		
	Tubing		
Processing Method	Extrusion Blow Molding		
	Injection Molding		
	Pipe Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	89.0	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	2300	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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