

Jampilen HP502C

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP502C is a high molecular weight polypropylene homopolymer for extrusion applications. The product features excellent mechanical properties and outstanding long-term heat ageing resistance. Jampilen HP502C is well suited for extrusion applications where both high stiffness and high impact strength are among primary requirements. Jampilen HP502C is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Heat Aging Resistance		
	High Impact Resistance		
	High Molecular Weight		
	High Stiffness		
	Homopolymer		
Uses	Piping		
	Profiles		
	Sheet		
Processing Method	Compression Molding		
	Pipe Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
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	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	91.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹

Accelerated Oven Ageing (150°C)	2300	hr	ASTM D3012
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NOTE

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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