

# Jampilen EP340S

Polypropylene Copolymer  
Jam Polypropylene Company

Message:

Jampilen EP340S is a high fluidity, nucleated heterophasic copolymer, particularly suitable for injection molding items that require superior mechanical properties balance over a wide temperature range. The easy flow of Jampilen EP340S provides outstanding processability and reduced cycle times. Items molded with Jampilen EP340S feature excellent impact strength and good stiffness. The mechanical properties at low temperature and dimensional stability are excellent. Jampilen EP340S has been designed for large items with significant impact requirements such as boxes, crates, pails and large household articles. Other applications include thin-walled containers, toys, appliance components, battery cases and some smaller items such as caps, closures and flower pots. Jampilen EP340S is suitable for food contact.

General Information			
Additive	Nucleating Agent		
Features	Copolymer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Processability		
	High Flow		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Resistant		
	Nucleated		
Uses	Appliance Components		
	Battery Cases		
	Caps		
	Closures		
	Containers		
	Crates		
	Household Goods		
	Lawn and Garden Equipment		
	Pails		
	Thin-walled Containers		
Toys			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	42	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	45	J/m	
23°C	75	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	148	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value		Test Method
Gloss (60°)	70		ASTM D2457
NOTE			
1.	Loading 1 (10 N)		

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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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