

Jampilen EP432L

Polypropylene Impact Copolymer

Jam Polypropylene Company

Message:

"Jampilen EP432L" is a heterophasic polypropylene copolymer with a highly effective heat stabilization package designed for injection molded battery cases and technical items. The product offers an excellent balance of mechanical properties and processability and features an excellent long-term heat stability. Articles molded with "Jampilen EP432L" offer a good balance of stiffness and toughness, good surface properties and a very high resistance to chemicals and crazing. "Jampilen EP432L" is largely used for automotive components. Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels are typical applications.

Features:

Medium flow

High impact strength

Excellent long-term heat stability

Good heat aging

Heterophasic copolymer

Typical Applications:

Battery cases, cooling water compensation reservoirs

Brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels

Appliances, cables and wires

General Information			
Additive	heat stabilizer		
Features	Impact copolymer		
	Cracking resistance		
	Impact resistance, high		
	Workability, good		
	Good heat aging resistance		
	Medium liquidity		
	Good chemical resistance		
	Thermal Stability		
	Excellent appearance		
Uses	Battery box		
	Electrical appliances		
	Wire and cable applications		
	Application in Automobile Field		
	Car interior equipment		
	Car exterior decoration		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore D)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	70	J/m	ASTM D256
23°C	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	1800	hr	ASTM D3012
NOTE			

1. 压力1 (10N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


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



WECHAT