



Jampilen EP432L

Heterophasic copolymer

JAMPILen Polypropylene

Description:

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.

Processing Method: Injection molding

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

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	6.0	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	170	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	70	J/m	ASTM D256
Shore hardness (Shore D)	68	---	ISO 868
Thermal			
Vicat softening point (10N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	1800	hours	ASTM D3012

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