

Jampilen EP332L

Heterophasic copolymer



Description:

"Jampilen EP332L" 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 EP332L" offer a good balance of stiffness and toughness, good surface properties and a very high resistance to chemicals and crazing. "Jampilen EP332L" 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.

In the electro-technical industries, "Jampilen EP332L" is used for appliances, cables and wires (e.g. as slotted core element in fibre optic cables).

"Jampilen EP332L" is suitable for food contact.

Processing Method:

Injection molding

Features:

Medium flow
Excellent balance of stiffness/impact strength
Excellent long-term heat-stability
Good heat aging
Low warpage
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

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	7.0	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	100	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	40	J/m	ASTM D256
Rockwell Hardness	93	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	88	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	1800	hours	ASTM D3012