

## Jampilen EP432L

### Polypropylene Heterophasic Copolymer



#### 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, processability and features 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 chemical 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

#### Applications

- Battery cases
- Cooling water compensation reservoir
- Brake fluid reservoirs
- Wash water reservoirs,
- Dashboard supports,
- Luggage compartment trims and door trim panels
- Cables and wires

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
<b>PHYSICAL</b>			
MELT FLOW RATE (230°C, 2.16 KG)	g/10min	6.0	ASTM D1238
DENSITY	g/cm <sup>3</sup>	0.9	ASTM D1505
<b>MECHANICAL</b>			
FLEXURAL MODULUS	MPa	1200	ASTM D790
TENSILE STRENGTH AT YIELD	MPa	26	ASTM D638
TENSILE ELONGATION AT YIELD	%	9	ASTM D638
IZOD IMPACT STRENGTH (NOTCHED)AT 23 °C	J/M	170	ASTM D256
IZOD IMPACT STRENGTH (NOTCHED)AT -20 °C	J/M	70	ASTM D256
SHORE HARDNESS (SHORE D)	-	68	ISO868
<b>THERMAL</b>			
VICAT SOFTENING POINT(10N)	°C	152	ASTM D1525
H.D.T (0.46 MPA)	°C	95	ASTM D648
ACCELERATED OVEN AGEING IN AIR AT 150°C	Hours	1800	ASTM D3012

Producer: Jam Polypropylene Co. (JPPC)

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