

## Jampilen EP440L

### Polypropylene Heterophasic Copolymer



#### Description

“Jampilen EP440L” is a medium flow heterophasic polypropylene copolymer with improved mechanical properties balance. The product features high stiffness and outstanding impact strength at low temperatures and is specifically designed for injection molding applications. In comparison with conventional copolymers with the same MFR and same rigidity, “Jampilen EP440L”, exhibits 35% higher toughness.

“Jampilen EP440L” is suitable for a wide range of applications in the packing, automotive and consumer goods industries. Typical applications include luggage, paint pails, buckets, containers, crates, batteries and large toys

#### Processing Method

- Injection molding

#### Features

- High impact strength
- High stiffness
- Heterophasic copolymer

#### Applications

- Packaging, automotive and consumer goods industries
- Luggage, paint pails, buckets
- Containers, crates, batteries and large toys

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>			
TENSILE MODULUS	MPa	1400	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	ISO 868
<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	360	ASTM D3012

Producer: Jam Polypropylene Co. (JPPC)

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