



# Jampilen EP440L

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 packaging, 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

**Typical Applications:** Packaging, automotive and consumer goods industries  
Luggage, paint pails, buckets  
Containers, crates, batteries and large toys

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	6.0	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1400	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
<b>Thermal</b>			
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	360	hours	ASTM D3012

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