

## Technical Datasheet ZB440L

### 1) Product Description:

ZB440L 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, "ZB440L" exhibits 35% higher toughness.

"ZB440L" is suitable for a wide range of applications in the packaging, automotive and consumer goods industries.

### 2) Applications:

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

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D 1238	g/10min	6.0
Density	ASTM D 1505	g/cm <sup>3</sup>	0.9
Flexural Modulus	ASTM D 790	MPa	1400
Tensile Strength at Yield	ASTM D 638	MPa	26
Tensile Elongation at Yield	ASTM D 638	%	9
Izod Impact Strength (notched) at 23 °C	ASTM D 256	J/m	170
Izod Impact Strength (notched) at -20 °C	ASTM D 256	J/m	70
Shore Hardness (Shore D)	ISO 868	--	68
Vicat softening point (10N)	ASTM D 1525	°C	152
H.D.T. (0.46 Mpa)	ASTM D 648	°C	95
Accelerated oven ageing in air at 150 °C	ASTM D 3012	hours	360

\* Typical values not to be construed as specifications.