



Product: PP Copolymer
Grade: Injection
Trade Name: PP440L

Typical Applications

PP440L is a PP Copolymer for injection molding. PP440L is recommended for Packaging, automotive and consumer goods industries Luggage, paint pails, Buckets Containers, crates, batteries and large toys.





Asia Petrochemicals LLC

PP440L

PRODUCT DESCRIPTION

PP440L 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, PP440L, exhibits 35 % higher toughness. PP440L 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.

Features:

High impact strength
High stiffness
Heterophasic copolymer

Packing: 25 Kg plastic bag

Typical Data

PROPERTY	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	6.0	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
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
Thermal			
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

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to info@asia-petrochem.com

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