

EP540L

Heterophasic copolymer

Description:

EP540L is a medium flow heterophasic polypropylene copolymer with high stiffness and good impact strength. Items produced with EP540L also feature excellent aesthetic properties, with high gloss and good stress whitening resistance. The grade is designed for molding small and medium sized rigid containers, packaging items and housewares. It is also recommended for toys, tools, caps and closures. EP540L is suitable for food contact.

Typical Applications

- Small and medium sized rigid containers
- Packaging items and housewares
- Toys
- Caps and closures

Features: Excellent aesthetic properties, Good impact strength, High stiffness, Good stress whitening resistance

Suitable for: Injection molding

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	6	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1450	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	90	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	60	J/m	ASTM D256
Rockwell Hardness	100	R Scale	ASTM D785
Vicat softening point (10 N)	152	°C	ASTM D1525
H.D.T. (0.46 MPa)	115	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

* Typical values; not to be considered as product specification.