

EP302K

Heterophasic Copolymer

Description:

EP302K is a medium flow, heterophasic polypropylene copolymer. This grade combines excellent stiffness with high impact and is suitable for injection molding and thermoforming. Due to its particular balance of mechanical properties, EP302K is widely used for injection molding toys, sports articles, small containers, housewares, closures and caps. Technical applications are components for appliances and parts for the automotive industry. Thermoformed containers are another important application of EP302K. This grade is suitable for food contact.

Typical Applications

- Toys
- Sports articles
- Small containers
- Housewares
- Closures and caps
- Components for appliances and parts for the automotive industry

Features: Excellent stiffness, High impact strength, Heterophasic copolymer

Suitable for: Injection molding and Thermoforming applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	3.5	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	29	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	120	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	25	J/m	ASTM D256
Rockwell Hardness	94	R Scale	ASTM D785
Vicat softening point (9.8 N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	90	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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