

EP200K

Heterophasic Copolymer

Description:

EP200K is a heterophasic copolymer for injection molding applications that combines outstanding processability with extremely high impact resistance. EP200K is designed for applications where very high toughness is primarily required. For these applications, very high impact polypropylene offer definite advantages over HDPE due to the better stackability and stress cracking resistance. EP200K is suitable for food contact.

Typical Applications

- Housewares, toys, indoor and outdoor furniture and suitcases
- Parts for sports equipment and bicycles and technical components
- Boxes, containers, pallets, crates, pails and lids
- Blow molded bottles and containers
- Bitumen modification and various compounding applications

Features: Good processability, High impact resistance, Heterophasic copolymer

Suitable for: Injection molding and Compounding 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	0.900	g/cm ³	ASTM D1505
Flexural Modulus	1000	MPa	ASTM D790
Tensile Strength at Yield	23	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	750	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	100	J/m	ASTM D256
Izod Impact Strength (notched) at -40 °C	75	J/m	ASTM D256
Rockwell Hardness	80	R Scale	ASTM D785
Vicat softening point (9.8 N)	145	°C	ASTM D1525
H.D.T. (0.46 Mpa)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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