

EP2 Z 29 G

EP2 Z 29 G is a polypropylene random copolymer with a high melt flow and outstanding transparency and gloss and is designed for injection moulding applications.

EP 2 Z 29 G is the material of choice for applications where transparency is a primary requirement, such as household containers, videocassette boxes, lids, caps and packaging for food, cosmetics and pharmaceutical products.

EP 2 Z 29 G is well suited for injection moulding clear tubs and pots for ice cream, yoghurt and other desserts.

Other typical applications of EP 2 Z 29 G include injection moulded items for the medical sector such as syringes, test tubes and vials.

EP 2 Z 29 G is also suitable for injection stretch blow moulded containers and bottles. This product combines good see through clarity and excellent moisture barrier properties with hot fillability.

Therefore, EP 2 Z 29 G offers an effective alternative for PET and PVC for the packaging of non-oxygen sensitive products such as confectionary, herbs, toiletries and cosmetics.

PROPERTIES		METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties	Melt flow rate (230 °C, 2.16 kg)	ISO 1133	dg / min	25
	Density	ISO 1183	g/cm ³	0,9
	Flexural modulus	ISO 178	N/mm ²	1050
Mechanical properties	Tensile strength yield	ISO R 527	N/mm ²	28
	Elongation at yield	ISO R 527	%	14
	Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	5
	Hardness Shore D	ISO 868	points	66
Thermal properties	Vicat softening point (9.8 N)	ISO 306/A	°C	137
	H.D.T. (0.46 Mpa)	ISO 75/B	°C	94
	Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hours	360
Optical Properties	Haze	MTM 17031	%	<20
	Gloss (45°C)	MTM 17021	%	>73

a) Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data are accumulated.

b) ISO test methods are the latest under the society's current procedures. All specimens are prepared by injection moulding.