

EP2 S 29 B

EP2 S 29 B is a clear polypropylene random copolymer particularly suited for blow moulding technology and single or multi-layer sheet extrusion.

The product imparts excellent clarity and gloss and these characteristics may be further enhanced through orientation processes (i.e. injection stretch blow moulding). Due to these properties EP 2 S 29 B is an interesting alternative to P.V.C. for use in blow moulding, sheet extrusion and thermoforming applications.

Blow moulding applications for EP 2 S 29 B include bottles for detergents and toiletries, flat mineral water, fresh fruit juice and concentrates, jars for condiments and preserves. Extruded sheets made of EP 2 S 29 B are widely used in stationery folders and thermoforming articles such as trays for fresh pasta, sweets or biscuits, fruit and vegetable containers and pots for dairy products.

PROPERTIES	PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties	Melt flow rate (230 °C, 2.16 kg)	ISO 1133	dg / min	1,8
	Density	ISO 1183	g/cm ³	0,9
Mechanical properties	Flexural modulus	ISO 178	N/mm ²	1000
	Tensile strength yield	ISO R 527	N/mm ²	26
	Elongation at yield	ISO R 527	%	14
	Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	50
	Hardness Shore D	ISO 868	points	66
Thermal properties	Vicat softening point (9.8 N)	ISO 306/A	°C	136
	H.D.T. (0.46 Mpa)	ISO 75/B	°C	90
	Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hours	360

EP2 S 29 B is suitable for food contact.

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.