

EP-YH 31 U

EP-YH 31 U is a high fluidity heterophasic copolymer. The product is particularly suitable for injection moulding items that require a superior mechanical properties balance over a wide temperature range. The easy flow. of EP- YH 31 U provides outstanding processability and reduced cycle times. Items moulded with EP- YH 31 U feature excellent impact strength and good stiffness. The mechanical properties at low temperature and dimensional stability are excellent. EP-YH 31 U has been designed for injection moulding large items with significant impact requirements: boxes, crates, pails and large household articles. Other applications include toys, appliance components, battery cases and some smaller items such as caps, closures and flower pots.

PROPERTIES		METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties	Melt flow rate (230 °C, 2.16 kg)	ISO 1133	dg / min	42
	Density	ISO 1183	g/cm3	0,9
Mechanical properties	Flexural modulus	ISO 178	N/mm2	1150
	Tensile strength yield	ISO R 527	N/mm2	27
	Elongation at yield	ISO R 527	%	8
	Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m2	6,5
	at -20°C	ISO 868	points	4
Thermal properties	Hardness Shore D			69
	Vicat softening point (9.8 N)	ISO 306/A	°C	151
	H.D.T. (0.46 Mpa)	ISO 75/B	°C	100
	Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	°C hours	360

EP-YH 31 U 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.