

PRODUCT DATA SHEET

EPA-1001S

Description :

EPA-1001S is composed of Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend compound with specialized sheet application. The product is available in black or color pellet form which have good processing window for sheet, specifically design to provide an excellent balance of stiffness and high impact, non chlorinated / brominated flame retardant grade that can be extruded. It has an MFR (260°C/5kg) of 8 and a 5V@3.2mm flame rating.

Application : Sheet extrusion

General properties	Value	Unit	Test method
Density	1.2	g/cm ³	ISO 1183
Melt flow rate ,@260°C, 5kgf	8	g/10min	ISO 1133
Shrink-rate	0.5 ~ 0.7	% (5~7/1,000)	Polylex method
Mechanical properties			
Izod impact strength, 4mm notched @+23°C	20	KJ / m ²	ISO 180
Tensile stress, @ yield, 50 mm/min	62	MPa	ISO 527-1.-2
Tensile strain, @ yield, 50 mm/min	50 ↑	%	ISO 527-1.-2
Flexural modulus, 1% secant , 2mm/min	2,400	MPa	ISO 178
Thermal properties			
Heat Deflection temperature @ 0.45 MPa, 4mm	110	°C	ISO 75-2
Flammability			
UL-94 method	1.6 mm V-0 3.2 mm 5V	-	UL-94