ABS
0211

Company	ECOYADI-2	
Material	ABS	
Color	Natural	
Material Shape	Pellets	
Process	Injection molding	
FR	HB	
Features	• High Gloss • High Impact	
Application	• E & E Applications • Home Appliances Applications • General purpose	

Physical property	Standard	Value	Unit
Density 23℃	ISO 1183	1.035	g/cm³
Shrinkage	GB/T 17037	0.4-0.7	%
Melt Index 220℃ 10kg	ISO 1133	20	g/10min
Hardness	**Standard**	**Value**	**Unit**
Rockwell Hardness R(Scale)	GB/T 3398	109	
Mechanical behavior	**Standard**	**Value**	**Unit**
Tensile Strength 50mm/min	GB/T 1040	43	Mpa
Flexural Strength 2.0mm/min	GB/T 9341	68	Mpa
Flexural Modulus 2.0mm/min	GB/T 9341	2.4	GPa
Izod Notch Impact 23℃	ISO 180	23	kJ/m²
Thermal	**Standard**	**Value**	**Unit**
HDT Unannealed 1.8MPa	GB/T 1634	83	℃
Vicat Softening Temperature 50° C/hr 50N	GB/T 1633	95	℃
Flammability	**Standard**	**Value**	**Unit**
Flame Rating 1.5mm	UL94	HB	
Injection molding		**Value**	**Unit**
Dry Temperature		75-85	℃
Dry Time		2-4	hr
Nozzle Temperature		200-220	℃
Cylinder Temperature		180-220	℃
Mould Temperature		40-70	℃
Screw Speed		30-60	rpm
Back Pressure		10-30	bar