



*Preliminary Property Data*

## Bayblend<sup>®</sup> FR3002

Flame Retardant PC-ABS Grade, Bromine and Chlorine free, For thin wall applications

**Rev. 0 : Apr., 2004**

Property	Unit	Test Conditions	Typical Value*	Test Method
<b>Mechanical Properties</b>				
Tensile Elongation @ Break	%	Speed 50 mm/min	40	ISO 527
Tensile Strength @ Yield	MPa	Speed 50 mm/min	63	ISO 527
Tensile Modulus	GPa	Speed 1 mm/min	2.70	ISO 527
Izod Impact Strength (notched)	kJ/m <sup>2</sup>	23 °C	37	ISO180-1A
<b>Thermal Properties</b>				
Vicat Softening Temperature	°C	5 kg, 120 °C/hr	100	ISO 306
Temperature of deflection under load	°C	Method A	85	ISO 75
		Method B	92	
UL Flame Class Rating	Class	Thickness 1.2 mm., 48 hr, 23 °C	V-0	UL94
<b>Rheological Properties</b>				
Melt Volume-Flow Rate	cm <sup>3</sup> /10 min	240 °C, 5 kg	18	ISO 1133
Shear Viscosity	Pa*s	260 °C/1000s <sup>-1</sup>	190	ISO 11443
Moulding Shrinkage, parallel and across to flow	%	500 bar	0.4-0.6	i. acc. ISO 2577
<b>Processing Conditions</b>				
Drying conditions	°C	Duration 3-4 hrs	85	
Melt Temperature	°C	-	230-270	ISO 294
Mold Temperature	°C	-	60-80	ISO 294
Injection Speed	mm/s	-	240	ISO 294
<b>Other Properties</b>				
Density	Kg/m <sup>3</sup>	Natural	1170	ISO 1183

\*Typical Values represent an average of samples tested using standard procedures. They are provided as general information only and are not part of product specifications.