

# AN620

Acrylonitrile Butadiene Styrene / Flame Retardant Application

## PRODUCT DESCRIPTION

AN620 is a flame retardant ABS grade providing the highest fire resistance performance according to V0, 5VA, UL-94 standard.

### TYPICAL APPLICATION

- Appliance
- Wiring device
- Electronic device

### PRODUCT FEATURES

- Colorability
- Good Processability
- High Gloss
- Excellent toughness

### COMPLIANCE

- RoHS
- REACH
- UL 94

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (5 kg/200 °C)	ASTM D1238	g/10 min	2.2
Notched Izod Impact (1/4", 23 °C)	ASTM D256	kg-cm/cm <sup>2</sup>	13
Tensile Strength at Yield (23 °C)	ASTM D638	kg/cm <sup>2</sup>	480
Flxural Strength at Yield (23 °C)	ASTM D790	kg/cm <sup>2</sup>	670
Flexural Modulus (23 °C)	ASTM D790	x10 <sup>4</sup> kg/cm <sup>2</sup>	2.5
Rockwell Hardness (1/4", 23 °C)	ASTM D785	R-Scale	110
Heat Distortion Temperature (1/4", 18.6 kg/cm <sup>2</sup> )	ASTM D648	°C	75
Flammability (1.5 mm of thickness)	UL-94	-	V-0
Flammability (3.0 mm of thickness)	UL-94	-	V-0
Flammability (2.5 mm of thickness)	UL-94	-	5VA

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

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## PROCESSING TECHNIQUE

Drying Temperature : 80 - 85 °C , 2 - 4 hrs.  
Cylinder Temperature : 180 - 230 °C  
Mold Temperature : 40 - 60 °C  
Injection Pressure : 30 - 80% of maximum pressure  
Holding Pressure : Relative to injection pressure  
Back Pressure : 0 - 20 of maximum pressure  
Injection Speed : Low to medium of maximum speed

\*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

## PRODUCT PACKAGING

- 25 kg loose bag
- 25 kg stretch wrap on palletized

## STORAGE

Storage in 20 - 80% relative humidity at ambient temperature preferably not higher than 38 °C (100 °F).

Dry environment with the exclusion of contamination.

Protection against direct sunlight, radiation and artificial light containing UV-Radiation.

Protection from ozone-generating electrical devices.

Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

## SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

## RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.