

DESCRIPTION

Absolac® 920 is an easy flow general purpose, standard impact injection molding grade.

FEATURES

- Good flow grade
- Medium impact strength
- Excellent color ability

APPLICATIONS

- Stationary & Novelty
- Toys
- Office Equipment

| Property, Test Condition | Standard | Unit | Values |
|---|------------|-----------|-----------|
| Rheological Properties | | | |
| Melt flow index 220 °C/10 kg | ISO 1133 | gm/10 min | Min 25 |
| Mould Shrinkage | ASTM D955 | % | 0.3 – 0.5 |
| Mechanical Properties | | | |
| Rockwell Hardness | ISO 2039 | R-Scale | 105 |
| Tensile Strength at yield (50mm/min) | ISO 527 | MPa | 48 |
| Tensile Strength at yield (50 mm /min) | ASTM D638 | Kg/cm2 | 500 |
| Tensile Modulus (1mm /min) | ISO 527 | MPa | 2500 |
| Tensile Modulus (50 mm /min) | ASTM D638 | Kg/cm2 | 25,000 |
| Flexural Strength (2mm/min) | ISO 178 | MPa | 74 |
| Flexural Strength (5mm/min) | ASTM D790 | Kg/cm2 | 700 |
| Flexural Modulus (2mm / min) | ISO 178 | MPa | 2600 |
| Flexural Modulus (5mm / min) | ASTM D790 | Kg/cm2 | 24,000 |
| Charpy Notched Impact Strength, 23° C | ISO 179 | KJ/m2 | 17 |
| Izod Notched Impact strength (1/4" thickness) | ASTM D256 | Kg.cm/cm | 17 |
| Thermal Properties | | | |
| Vicat Softening Temperature VST/B/50 (50N, 50 °C/h) | ISO 306 | °C | 94 |
| Vicat Softening Temperature VST B-50N | ASTM D1525 | °C | 97 |
| Heat Deflection Temperature (annealed 80 °C/ 4 Hrs ,1.80 MPa) | ASTM D648 | °C | 93 |
| Other Properties | | | |
| Specific gravity | ASTM D 792 | - | 1.04 |

Absolac® 920

Acrylonitrile Butadiene Styrene (ABS)

| Processing | | | |
|--------------------|--|-----|-----------|
| Melt Temp Range | | °C | 220 - 250 |
| Mold Temp Range | | °C | 60 - 80 |
| Drying Temperature | | °C | 80 |
| Drying Time | | Hr. | 2 - 4 |

SUPPLY FORM

Absolac® is delivered in the form of cylindrical pellets. Standard Packaging unit: 25 kg with HDPE laminate paper bag with HMHDPE liner. In dry areas with normal temperature control, Absolac® can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Absolac® absorbs moisture, but this can be removed by drying.

PRODUCT SAFETY

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

DISCLAIMER

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