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JAM PETROCHEMICAL COMPANY

## ACRYLONITRILE BUTADIENE STYRENE ABS B432/E

ABS B432/E is a medium impact strength ABS resin with a density of 1.04 g/cm<sup>3</sup>, suitable for sheets, profiles, and co-extruded applications in refrigeration, sanitary, automotive, packaging, and household sectors.

| Producer | Characteristic Properties                    | Applications  |
|----------|--|---|
| JAM      | Sheets and profile Medium<br>Impact strength | Plain or coextruded with high draw<br>Ratios for refrigeration, sanitary<br>Automotive, packaging, Housholding (profiles) |

### Typical Properties

| Resin Properties                        | Unit                 | Typical | Test Method  |
|---|----------------------|---------|--------------|
| Density                                 | g/cm <sup>3</sup>    | 1.04    | ISO 1183     |
| Water Absorption                        | %                    | 0.3     | ASTM D 570   |
| Surface resistivity                     | ohm                  | 10+14   | IEC 60093    |
| Melt Flow Rate (MFR)                    | g/10min              | 5       | ISO 1133     |
| Tensile Strength                        | MPa                  | 35      | ASTM D-638   |
| Strain at break                         | %                    | 45      | ASTM D-638   |
| Flexural Strength                       | MPa                  | 68      | ASTM D 790   |
| Flexural Modulus                        | MPa                  | 2300    | ASTM D 790   |
| Izod Impact Strength Notched            | J/m                  | 280     | ISO 180/4A   |
| Charpy Impact Strength, Notched         | kJ/m <sup>2</sup>    | 16      | DIN 53453    |
| Rockwell Hardness                       | kJ/m <sup>2</sup>    | R110    | ISO 2039/2   |
| Vicat Softening Temperature             | °C                   | 108     | ISO 306/A120 |
| Deflection temp. under load (annealed)  | °C                   | 104     | ASTM D 648   |
| Coefficient of linear thermal expansion | 10 <sup>-5</sup> /°C | 9       | ASTM D 696   |
| Thermal Conductivity                    | W/(Km)               | 0.17    | ASTM C 177   |
| Moulding Shrinkage                      | %                    | 0.4-0.6 | ISO 294.4    |