

# RONFALIN® TXE35

Acrylonitrile Butadiene Styrene

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Message:

RONFALIN® TXE35 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion.

Important attributes of RONFALIN® TXE35 are:

Flame Rated

RoHS Compliant

Typical application of RONFALIN® TXE35: Automotive

| General Information                       |                          |          |              |
|-------------------------------------------|--------------------------|----------|--------------|
| Uses                                      | Automotive Applications  |          |              |
|                                           | Automotive Exterior Trim |          |              |
|                                           | Automotive Interior Trim |          |              |
| RoHS Compliance                           | RoHS Compliant           |          |              |
| Processing Method                         | Extrusion                |          |              |
| Physical                                  | Nominal Value            | Unit     | Test Method  |
| Density                                   | 1.05                     | g/cm³    | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 4.0                      | g/10 min | ISO 1133     |
| Molding Shrinkage                         | 0.40 to 0.60             | %        |              |
| Hardness                                  | Nominal Value            | Unit     | Test Method  |
| Ball Indentation Hardness                 | 77.0                     | MPa      | ISO 2039-1   |
| Mechanical                                | Nominal Value            | Unit     | Test Method  |
| Tensile Stress (Yield)                    | 42.0                     | MPa      | ISO 527-2/50 |
| Flexural Modulus                          | 2100                     | MPa      | ISO 178      |
| Impact                                    | Nominal Value            | Unit     | Test Method  |
| Notched Izod Impact Strength              | 40                       | kJ/m²    | ISO 180/1A   |
| Thermal                                   | Nominal Value            | Unit     | Test Method  |
| Heat Deflection Temperature               |                          |          |              |
| 0.45 MPa, Unannealed                      | 96.0                     | °C       | ISO 75-2/B   |
| 1.8 MPa, Unannealed                       | 95.0                     | °C       | ISO 75-2/A   |
| Vicat Softening Temperature               | 99.0                     | °C       | ISO 306/B50  |
| Electrical                                | Nominal Value            | Unit     | Test Method  |
| Surface Resistivity                       | 1.0E+16                  | ohms     | IEC 60093    |
| Electric Strength                         | > 26                     | kV/mm    | IEC 60243-1  |
| Comparative Tracking Index (Solution A)   | > 600                    | V        | IEC 60112    |
| Flammability                              | Nominal Value            | Unit     | Test Method  |
| Flame Rating (1.60 mm)                    | HB                       |          | UL 94        |

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