

# HFFR 2006

Polyolefin  
Teknor Apex Company

Message:

HFFR 2006 is a polyolefin material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: extrusion.  
The main features of HFFR 2006 are:  
ROHS certification  
Flame Retardant  
Halogen-free  
The typical application field of HFFR 2006 is: wire and cable

| General Information                       |                                  |                   |             |
|-------------------------------------------|----------------------------------|-------------------|-------------|
| Additive                                  | Flame retardancy                 |                   |             |
| Features                                  | Halogen-free                     |                   |             |
|                                           | Flame retardancy                 |                   |             |
| Uses                                      | Safety cable sheath              |                   |             |
|                                           | Electronic cable sheath material |                   |             |
|                                           | Communication wire sheath        |                   |             |
| Agency Ratings                            | ICEA not rated                   |                   |             |
|                                           | IEC not rated                    |                   |             |
| RoHS Compliance                           | RoHS compliance                  |                   |             |
| Appearance                                | Opacity                          |                   |             |
| Forms                                     | Particle                         |                   |             |
| Processing Method                         | Extrusion                        |                   |             |
| Physical                                  | Nominal Value                    | Unit              | Test Method |
| Specific Gravity                          | 1.47                             | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/10.0 kg) | 7.6                              | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value                    | Unit              | Test Method |
| Durometer Hardness (Shore D, 10 sec)      | 41                               |                   | ASTM D2240  |
| Mechanical                                | Nominal Value                    | Unit              | Test Method |
| Tensile Strength (Break)                  | 8.41                             | MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 390                              | %                 | ASTM D638   |
| Thermal                                   | Nominal Value                    | Unit              | Test Method |
| Brittleness Temperature                   | -28.0                            | °C                | ASTM D746   |
| Electrical                                | Nominal Value                    | Unit              | Test Method |
| Volume Resistivity                        | 1.1E+13                          | ohms · cm         | ASTM D257   |
| Dielectric Constant (1 kHz)               | 3.68                             |                   | ASTM D150   |

|                            |               |      |             |
|----------------------------|---------------|------|-------------|
| Dissipation Factor (1 kHz) | 6.7E-3        |      | ASTM D150   |
| Flammability               | Nominal Value | Unit | Test Method |
| Oxygen Index               | 35            | %    | ASTM D2863  |

Additional Information

最大伸长保持率,UL 1581,烘箱老化,7天,100°C:75 %拉伸强度保持率,UL 1581,烘箱老化,7天,100°C:101  
%酸性气体,MIL-C-24643:<5.0毫克气体酸性,IEC-754-2:<6.0 pH传导率:<2.0 μS/厘米烟雾指数,NES-711:7.5毒性指数,NES-713:0.025锥形量热仪(50  
千瓦/平方米),峰值放热率:430千瓦/平方米锥形量热仪(50 千瓦/平方米),总放热量:140千瓦/平方米锥形量热仪(50 千瓦/平方米),峰值烟雾量:1.9  
1/米锥形量热仪(50 千瓦/平方米),持续燃烧时间:91 秒

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