

## LL16006W

**Special Characteristics :** PlastMate LL16006W is a low smoke halogen free flame retardant natural color compound, this grade is designed for conduit application and contains UV stabilizer. The features of this product include low smoke and halogen free, excellent processing and balance mechanical properties, good flame retardant, low toxic and environmentally friendly.

**Typical Applications :** Conduit application

**Typical Properties :**

Properties	LL16006W	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (MFR) 150°C, 21.6 kg	16	g/10 min	ASTM D1238
Density	1.47	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical Properties</b>			
Tensile Strength	9.0	MPa	IEC 60811
Elongation at Break	160	%	IEC 60811
<b>Fire Resistant Properties</b>			
Limiting Oxygen Index (LOI)	33	%	ASTM D2863

**Recommendation:**

Processing Temperature is 140-160 °C and It should be noted that the melt temperature should not be exceeded 175°C

Pre-Drying : Pre-drying in a dehumidifying dryer is recommended e.g., 4 hours at 80°C