

# POLYETHYLENE UBEC180

UBE POLYETHYLENE (Wire &amp; Cable grade)

**Properties**   **Features**   **Applications**

## Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	0.25	ASTM D1238
Density	kg/m <sup>3</sup>	924	ASTM D1505
Tensile strength	MPa	21	ASTM D638
Tensile elongation	%	650	ASTM D638
Flexural strength(Olsen)	MPa	230	ASTM D747
Hardness	(HDD)	57	ASTM D2240
Vicat softening point	°C	100	ASTM D1525
Brittle temperature	°C	<-75	ASTM D746
Volume resistivity	Ω·m	10 <sup>14</sup> <	ASTM D257
Dielectric constant	(1 MHz)	2.3	ASTM D1531
Dissipation factor	(1 MHz × 10 <sup>-3</sup> )	0.1	ASTM D1531
Dielectric strength	MV/m	36	ASTM D149

\* These values are typical properties and not to be considered as specifications.

\* Specimens are prepared from compression-molded sheets.

## Features

- High speed extrusion
- Excellent abrasion resistance

## Applications

- Insulation for telephone, control, signal cables

