

POLYETHYLENE UBEC130

UBE POLYETHYLENE (Wire & Cable grade)

Properties **Features** **Applications**

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	0.28	ASTM D1238
Density	kg/m ³	920	ASTM D1505
Tensile strength	MPa	20	ASTM D638
Tensile elongation	%	650	ASTM D638
Flexural strength(Olsen)	MPa	150	ASTM D747
Hardness	(HDD)	52	ASTM D2240
Vicat softening point	°C	92	ASTM D1525
Brittle temperature	°C	<-75	ASTM D746
Volume resistivity	Ω·m	10 ¹⁴ <	ASTM D257
Dielectric constant	(1 MHz)	2.3	ASTM D1531
Dissipation factor	(1 MHz × 10 ⁻³)	0.2	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

- Excellent heat-aging resistance

Applications

- General purpose insulation
- Irradiation crosslinkable insulation

