

POLYETHYLENE Z657

UBE POLYETHYLENE (Wire & Cable grade)

Properties **Features** **Applications**

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	0.30	ASTM D1238
Density	kg/m ³	920	ASTM D1505
Tensile strength	MPa	24	ASTM D638
Tensile elongation	%	700	ASTM D638
Flexural strength(Olsen)	MPa	170	ASTM D747
Hardness	(HDD)	54	ASTM D2240
Vicat softening point	°C	94	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)	0.1	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

- Toughness, Excellent ESCR
- Weatherability (Natural color compound with UV-argent)

Applications

- Colorable jacket & insulation, Various telecom and industrial applications

