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# POLYETHYLENE Z657

Print

UBE POLYETHYLENE (Wire & Cable grade)

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## Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	0.30	ASTM D1238
Density	kg/m <sup>3</sup>	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 <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

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

## Applications

- Colorable jacket & insulation, Various telecom and industrial applications