HDPE

HDPE for wires & cable

P300A

Application

Wire & cable, Optical cables, Semi-conductive shield application (outer layer)

Characteristics

Excellent low-speed crack resistance, Excellent processability

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ISO R1133 (190℃,5kg)	g/10min	0.65
Density	ISO R1183	g/㎤	0.947
Oxidation induction time (200℃)	ISO R11357-6 (OIT, 200℃)	Minute	≥40
Thermal conductivity (60℃)	HTC Method	W/m°K	0.35
Thermal expansion coefficient (40°C)	HTC Method	m/m°K	0.00017
Tensile modulus	ISO R527	㎫	850
Tensile strength (at yield)	ISO R527	㎫	23
Elongation (at break)	ISO R527	%	≥350
Flexural modulus	ISO R178	㎫	750
FNCT (Arkopal, 80℃, 4.0MPa)	ISO R16770	hrs	≥2000
Charpy impact strength (0℃)	ISO R868	kJ/㎡	20

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

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