HDPE

HDPE for PERT

XRT70K

Application

Pipe, PERT Type II Pipe, Cold and hot water pipe, Heating pipe, Industrial Pipe

Characteristics

Satisfied PERT Type II, MRS 10MPa standard, Excellent low-speed crack resistance, Processing pipes of various diameters (12-630 mm)

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(210℃)	ISO R11357-6	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	≥2,000
Charpy Impact Strength(23℃)	ISO 179	kJ/㎡	24
Charpy Impact Strength(0℃)	ISO 179	kJ/㎡	20
Charpy Impact Strength(-30℃)	ISO 179	kJ/㎡	8

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

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