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POLYETHYLENE

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DAELIM POLYETHYLENE

High-quality synthetic resin, DAELIM POLY HDPE is being manufactured in the world class Yeosu Complex equipped with state-of-the-art facilities



 **Daelimpoly**

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 **LIST**

LH-402

Customer Benefits

Hexene Comonomer
Outstanding Stress Cracking Resistance
Excellent Impact Resistance & Durability
Excellent Processabilities

Suggested Applications

Water Pipe
Oil & Engineering Pipe

Processing Recommendation

Processing Temp. : 190 ~ 220°C

Specification Data

ASTM D 1248-Type III, Class A, Category 5
ISO/DIS 12162 - MRS 8Mpa, PE80

Properties	Test Method	Unit	Value
Melt Index (190°C, 2.16Kg)	ASTM D 1238	g/10min	0.14
Melt Index (190°C, 5Kg)	ASTM D 1238	g/10min	0.62
Density	ASTM D 1505	g/cm ³	0.944
Tensile Strength(at Yield, 50mm/min)	ASTM D 638	kg/cm ²	230
Ultimate Elongation(50mm/min)	ASTM D 638	%	>600
Flexural Modulus	ASTM D 790	kg/cm ²	8,000
IZOD Impact Strength(23°C)	ASTM D 256	kg.cm/cm	Non-break
OIT(200°C, Al Pan)	ASTM D 3895	°C	>40
ESCR(ConditionB, F20)	ASTM D 1693	hr	>3,000
Pipe Properties (PE80) 9.0MPa, 20°C	ISO 1167	hr	>13,000
Pipe Properties (PE80) 4.6MPa, 80°C	ISO 1167	hr	>9,000
Pipe Properties (PE80) 4.0MPa, 80°C	ISO 1167	hr	>11,000

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