

## HIVOREX 5305E

## High Density Polyethylene

### General Information

#### Description

- ◆ Good high speed processability
- ◆ Good oxidation stability

#### Applications

- ◆ Solid insulation of telecom wire, etc.

### Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ASTM D 1238	0.8	g/10min		
Density	ASTM D 1505	0.952	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress	ASTM D 638	230	kgf/cm <sup>2</sup>	22.6	MPa
Tensile Strain	ASTM D 638	>800	%	>800	%
<b>Electrical</b>					
Dielectric constant	ASTM D 150	2.3	-		
Dissipation factor	ASTM D 150	0.0001	-		
Volume resistance	ASTM D 257	>1x10 <sup>17</sup>	Ω·cm		
Dielectric strength	ASTM D 149	20	kV/mm		
<b>Additional</b>					
ESCR	ASTM D 1693	>2,000	F <sub>50</sub> Hours		
O.I.T. (Oxidation Induction Time)	ISO/TR10837	>50	min		

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Properties : these are not to be construed as specifications