

## Products Chain

## PE

LDPE

EVA

LLDPE

W&amp;C Compound

PVC

CA

Solaryl Resin

Supercritical Water Oxidation

New Business

Renewable Energy

Hanwha Chemical History	
Since 1965	
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Q & A	GO >>

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## 1159-EVA

Total products &gt;

Q&amp;A GO &gt;

Print

APPLICATIONS +	FILM +	EXTRUSION COATING +	FOAMING +	HOT MELT ADHESIVE +	WIRE & CABLE +
SOLAR BATTERY +					

HANWHA EVA 1159 is manufactured by Dow autoclave high pressure process and designed for variety of extrusion coating application such as thermal film(Laminex film) and flexible film etc.. EVA 1159 is well known for its excellent processability and high quality assurance.

## Outstanding Properties

Outstanding Properties	<ul style="list-style-type: none"> <li>Very Low Heat Seal Temperature</li> <li>Good Drawability</li> <li>Good Adhesion to Various Plastic Films</li> <li>Good Optical Property</li> </ul>
Processing Conditions	<ul style="list-style-type: none"> <li>Cylinder : 160 ~ 220°C</li> <li>Adapter/Head : 190 ~ 220°C</li> <li>T-Dies : 190 ~ 220°C</li> </ul>
Additives	<ul style="list-style-type: none"> <li>Antioxidant</li> </ul>

## Resin Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	18.0
VA Content	wt%	HCC Method <sup>(3)</sup>	28.0
Density	g/cm <sup>3</sup>	ASTM D1505	0.949
Vicat Softening Point	°C	ASTM D1525	46
Melting Point	°C	ASTM D3417	71
Tensile Strength at Break	kg/ cm <sup>2</sup>	ASTM D638	140
Elongation at Break	%	ASTM D638	920
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-76
Neck-in <sup>(4)</sup>	cm	-	9.0
Allowable Coating Speed <sup>(4)</sup>	m/min	-	>300
Heat Seal Initiation Temperature <sup>(5)</sup>	°C	-	70

1. These are typical properties : not to be construed as specification.

2. The value for this property is dependent on part geometry and fabrication conditions.

3. Elemental Analyzer and FT-IR

4. Melt Temperature : 230°C, Line Speed : 100m/min., Output : 80kg/hr

5. Layer Structure : PET(50μm)/LDPE(25μm)/EVA 1159(25μm)

Time/Pressure of Sealing : 1.0sec./2kg/cm<sup>2</sup>

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