

# Hanwha

## EVA

### 2319

#### Product information

Manufacturer	Hanwha Chemical Corporation
Material Shape	Pellets
Process	Foam Molding
Polymer	Copolymer
Features	Excellent Loading Property of Various Fillers Good mechanical properties High elasticity Antioxidant Good moldability Foamed Good processability
Application	Foam Footwear Sandals Foaming technologies
Additives	Antioxidant

**Tips**  
HANWHA EVA 2319 is manufactured by Dow tubular high pressure process and designed for variety of foam molding application such as shoes and sandals etc.. EVA 2319 is well known for its excellent processability and high quality assurance.

Hardness	Condition	Standard	Value	Unit
----------	-----------	----------	-------	------

Shore	Hardness A	ASTM D2240	90	
-------	------------	------------	----	--

Shore	Hardness D	ASTM D2240	36	
-------	------------	------------	----	--

Mechanical behavior	Condition	Standard	Value	Unit
---------------------	-----------	----------	-------	------

Elongation	Break	ASTM D638	800	%
------------	-------	-----------	-----	---

Tensile	Strength Break	ASTM D638	140	kg/cm <sup>2</sup>
---------	----------------	-----------	-----	--------------------

Physical property	Condition	Standard	Value	Unit
-------------------	-----------	----------	-------	------

Density		ASTM D1505	0.939	g/cm <sup>3</sup>
---------	--	------------	-------	-------------------

Melt	Index	ASTM D1238	2.5	g/10min
------	-------	------------	-----	---------

Vinyl	Acetate Content FTIR	INTERNAL METHOD	19.0	wt%
-------	----------------------	-----------------	------	-----

Thermal	Condition	Standard	Value	Unit
---------	-----------	----------	-------	------

Low	Temperature Brittleness F0	ASTM D746	-76.0	°C
-----	----------------------------	-----------	-------	----

Melting	Temperature	ASTM D3417	86	°C
---------	-------------	------------	----	----

Vicat	Softening Temperature	ASTM D1525	59	°C
-------	-----------------------	------------	----	----