

HANWHA EVA 1316

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

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Technical Data

Product Description

HANWHA EVA 1316 is manufactured by Dow autoclave high pressure process and designed for variety of foam molding application such as shoes and sandals etc. EVA 1316 is well known for its excellent processability and high quality assurance.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• Hanwha Chemical
Availability	• Asia Pacific • Europe
Features	• Additive Free • Foamable • Good Processability
Uses	• Foam • Footwear
Agency Ratings	• FDA 21 CFR 177.1350(a)(1)
Forms	• Pellets
Processing Method	• Foam Processing

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.940 g/cm ³	0.940 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ASTM D1238
Vinyl Acetate Content	19.0 wt%	19.0 wt%	Internal Method

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1920 psi	13.2 MPa	ASTM D638
Tensile Elongation (Break)	850 %	850 %	ASTM D638

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	90	90	
Shore D	36	36	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	< -105 °F	< -76.0 °C	ASTM D746
Vicat Softening Temperature	138 °F	59.0 °C	ASTM D1525
Peak Melting Temperature	185 °F	85.0 °C	ASTM D3417

Additional Information

Kneader Temperature: 80 to 110°C
Roll Mill Temperature: 90°C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

Hanwha Chemical
Seoul, South Korea
Telephone: +82-2-729-2700
Web: <http://hcc.hanwha.co.kr/>

Distributor

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: <http://www.resinex.com/>
Availability: Europe

