

EVA

EVA for Foam Application

▶ E181F

● Description

E181F is EVA resin for crosslinked foam applications including mid-sole and in-sole of athletic shoes. This grade is designed to be processed in conventional kneading and rolling equipment for mixing and dispersing crosslinking agent and foaming agent.

● Characteristics

E181F offers good processability during compounding with various additives. Foamed products made from this grade provide excellent spilt tear resistance, superb tensile and elongation properties, and good compression set properties.

● Applications

- ▶ Athletic shoe mid-soles and in-soles, Sandals, Cushion padding

● Physical Properties

Properties	Test Method	Units	E181F
Melt Index (190°C/2.16 kg)	ASTM D 1238	g/10min	2.5
Density	ASTM D 1505	g/cm ³	0.940
VA Content	Hanwha Total	%	18
Tensile Strength at Break	ASTM D 638	kg/cm ²	240
Elongation at Break	ASTM D 638	%	750
Shore Hardness	ASTM D 2240	A scale	92
		D scale	38
Vicat Softening Point	ASTM D 1525	°C	64
Melting Point	Hanwha Total	°C	85
Brittleness Temp.	ASTM D 746	°C	< -70

Data performed by or on behalf of Hanwha Total

● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total E181F to the food packaging.
- ▶ Thus, the verification on the suitability is necessary. In case you might need additional information, please contact Hanwha Total Polymer Technical Service Team.

● **Other Information**

The information in this document can be used for reference only, not to be construed as specification. Customers are responsible for determine whether our product and information is suitable for their particular purpose and for the compliance with related law.

HANWHA TOTAL assumes no obligation or liability for the information in this document.

● **Contacts**

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