

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	STC Method	g/cm ³	0.940
VA Content	STC Method	%	18
Tensile Strength at Break	ASTM D 638	kg/cm ²	240
Elongation at Break	ASTM D 638	%	750
Flexural Stiffness	ASTM D 747	kg/cm ²	500
Shore Hardness	ASTM D 2240	A scale	92
		D scale	38
Vicat Softening Point	ASTM D 1525	°C	64.0
Melting Point	ASTM D 3418	°C	85
Brittleness Temp.	ASTM D 746	°C	< -70

Data performed by or on behalf of Samsung Total

