

Technical Datasheet E180F

1) Product Description:

EVA E180F resin is an 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.

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

2) Applications:

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

3) Typical data:

PROPERTY	TEST METHOD	UNIT	VALUES *
Melt Index(190°C/2.16 kg)	ASTM D 1238	g/10min	2.0
Density	STC Method	g/cm ³	0.940
VA Content	STC Method	%	18
Tensile Strength at Break	ASTM D 638	Kg/cm ²	260
Elongation at Break	ASTM D 638	%	750
Flexural Stiffness	ASTM D 747	Kg/cm ²	500
Shore Hardness	ASTM D 2240	A scale D scale	92 38
Vicat Softening Point	ASTM D 1525	°C	64.0
Melting Point	STC Method	°C	93.0
Brittleness Temp.	ASTM D 746	°C	<-70
E.S.C.R (at 50°C,10%, F10)	ASTM D 1693	Hrs	>500

* Typical values not to be construed as specifications.