Hanwha Total PE E180F

Ethylene Vinyl Acetate Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

E180F is a EVA (ethylene-vinylacetate copolymer) 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.

General Information	
Features	Low compressive deformability Copolymer Dispersible Workability, good Crosslinkable Good tear strength
Uses	Electronic insulation Composite Foam Footwear
Forms	Particle
Processing Method	Composite Compression molding

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, F10)	500	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A	92		ASTM D2240
Shaw D	38		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Apparent Bending Modulus	49.0	MPa	ASTM D747
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	64.0	°C	ASTM D1525 [1]

Melting Temperature	93.0	°C

Additional Information
Kneader Temperature: 95 to 105 °CFoaming Temperature: 155 °CFoaming Pressure: 150 kg/cm^{3}Curing Time: 40 minVA Content, SAMSUNG TOTAL: 18 kg force/cm^2

NOTE	
1.	压 力1 (10N)

Recommended distributors for this material

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