

Hanwha Total PE E153F

Ethylene Vinyl Acetate Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

E153F 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	0.938	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.6	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	94		ASTM D2240
Shaw D	39		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Apparent Bending Modulus	53.9	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	69.0	°C	ASTM D1525 ¹

Melting Temperature	95.0	°C
Additional Information		
Kneader Temperature: 95 to 105 °C Foaming Temperature: 155 °C Foaming Pressure: 150 kg/cm ³ Curing Time: 40 min VA Content, SAMSUNG TOTAL: 15 kg force/cm ²		
NOTE		
1.	压力1 (10N)	

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