Hanwha Total PE E210F

Ethylene Vinyl Acetate Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

E210F 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	Composite
	Foam
	Footwear
Forms	Particle
Processing Method	Composite
	Compression molding

Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	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	90		ASTM D2240
Shaw D	35		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Apparent Bending Modulus	44.1	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	56.0	°C	ASTM D1525 [1]
Melting Temperature	88.0	°C	

Additional Information
Kneader Temperature: 95 to 105 °CFoaming Temperature: 155 °CFoaming Pressure: 150 kg/cm³Curing Time: 40 minVA Content, SAMSUNG TOTAL: 21 kg force/cm²
NOTE
1.   压 力1 (10N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT