



## VINPOL™ EA0809

### Ethylene Acrylic Acid Copolymer

Melt Index: 8

% Acrylic Acid: 9.0

**VINPOL EA0809** is an ethylene acrylic acid copolymer designed for extrusion coating and lamination and offering excellent adhesion to polar substrates, aluminum foil, metalized films, paper, iron, steel, and glass. It also provides excellent interlayer adhesion with coextruded LDPE and EVA. Typical applications include laminate tubes, liquid packaging, cosmetic packaging, cable shielding, food packaging and hygiene packaging.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	8	g/10 min	ASTM D-1238
Acrylic Acid Content	9	Weight %	Supplier Method
Density	0.936	g/cm <sup>3</sup>	ASTM D-1505
Peak Melting Temperature	207 (97)	°F (°C)	Supplier Method
*Neck-in (@536°F (280°C))			
82 ft/min (25 m/min), Constant output at 35rpm	2.8 (7.1)	in (cm)	Supplier Method
164 ft/min (50m/min), Constant output @ 35 rpm	1.7 (4.2)	in (cm)	Supplier Method
328 ft/min (100m/min), Constant output @ 35 rpm	1.3 (3.3)	In (cm)	Supplier Method
Draw Down, Constant Output @ 35rpm, 536°F (280°C)	180	m/min	Supplier Method

\*Typical values obtained on supplier's pilot co-extrusion line at an air gap of 170 mm (6.7 in). Recommended melt temperature 260-280°C (500-536°F). Processing temperatures above 300°C (572°F) may cause resin degradation. To minimize corrosion risk, all exposed metal surfaces in the extruder and die should be made from corrosion resistant metals or nickel/chrome plated. Product should be fed into the extruder after LDPE of a similar melt index. Machine should always be completely purged with LDPE or a suitable cleaning compound before shutdown.

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