

# DuPont™ Entira™ AS MK400

Ionomer

DuPont Packaging & Industrial Polymers

Message:

Entira™ AS MK400 is an extremely hygroscopic ionomer resin that is supplied as free-flowing pellets.

Uses:

Industrial Applications

Packaging

Features

Entira™ AS MK400 is used to lower the static decay time and surface resistivity of polyolefins and other polymers.

Characteristics / Benefits:

Entira™ AS MK400 can be precompounded or dry blended into polymers for extrusion, molding, or various other processing methods

Applications:

Antistatic agent for use in films, moldings, and extruded forms.

General Information			
Additive	Antistatic property		
Uses	Packaging		
	Industrial application		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1330(a)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	58.9	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	91.1	°C	ASTM D3418, ISO 3146
Freezing Point - (DSC)	61	°C	ASTM D3418
Processing Temperature - Maximum	250	°C	
Additional Information	Nominal Value	Unit	

General Processing Information:

Entira™ AS MK400 is a very hygroscopic material. To minimize exposure to moisture, any remaining material should be hermetically sealed in a barrier package immediately after use. The bag have as much air removed as possible prior to sealing. A vacuum to pull out the air can be used to assist this process. In order to reuse remaining material that has been hermetically sealed, the material should be dried under vacuum with a nitrogen flow at 50-60°C for several hours prior to use.

Entira™ AS MK400 is available in pellet form for use in conventional equipment for processing polyolefins. Entira™ AS MK400 can be fed together with base polymers and other additives in the hopper during processing. Typical addition levels range from 10 - 30%.

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