

Honeywell A-C® 316, 316A

High-Density Oxidized Polyethylene Homopolymer

316, 316A

MATERIALS SPECIFICATIONS:

Item	Test Method	Specification
Acid Number	TMP-QCL-006	15-18 mg KOH/g

TYPICAL PROPERTIES:

Property	Value
Hardness @ 25°C (77°F)	< 0.5 dmm
Drop Point, Mettler	140°C (284°F)
Density	0.98 g/cc
Viscosity @ 150°C (302°F) Brookfield	8,500 cps

PRODUCT FORM AND PACKAGING:

Property	A-C 316	A-C 316A
Product Form	granule	powder
Size		100% minus 40 mesh (420 micron, test method 309-OR)
Bulk Density	593 kg/m³ (37 lb/ft³)	529 kg/m³ (33 lb/ft³)

Product is supplied as a white to off white granule or powder, essentially free of foreign material. It is packaged in 25 kg Kraft bags and shipped on pallets, 40 bags to a pallet, net weight 1,000 kgs, and stretch-wrapped. Pallet loads are approximately 1.26m long, 1.06m wide, and 1.29m high (50 inches x 42 inches x 51 inches).

SAFETY PRECAUTIONS:

A-C® polyethylenes and copolymers are regarded as non-hazardous when exposure is controlled by using accepted industrial hygiene practices. Consult our Material Safety Data Sheet for specific recommendations on safe handling.

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ISO 9001:2000 Certified

Honeywell

A-C® 316A

Hard, high drop point, high density, oxidized polyethylene (HDOxPEs) homopolymer, in finer powder form than A C 316, for use in waterborne coatings and inks, overprint varnishes, polishes and textiles to improve surface properties including mar and abrasion resistance by lowering the coefficient of friction. In textiles, this can help improve sewability and fabric cutting, helping to extend cutting machine lifetime. Its acid number of 16 allows it to be emulsified into water. Can also provide heat resistance to hot melt adhesives (HMAs). In addition, may be used as a metal release agent for PVC processing and is a fusion control for PVC formulations. It will not affect clarity in transparent PVC applications. Very effective for use in processing PVC regrind.

TYPICAL PROPERTIES

Property	Value
Hardness	<0.5
Viscosity @ 150°C	8500
Drop Point, Mettler	140°C (284°F)
Density	0.98
Acid Number	16

REGULATORY APPROVALS

Property	Value
Plastic Pipe Institute/NSF*	Yes
FDA Indirect Approvals*	Yes

PRODUCT FORM AND SIZE

Property	Value
Product Form	Powder

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