Technical Data Sheet

Elevance Inherent® C18 Diacid

Product Description

Long-chain dicarboxylic acid (1,18-Octadecanedioic acid)

Applications

Chemicals and plasticizers
Specialty polyamide engineering plastics and fibers
Polyester films, fibers, adhesives and coatings
Powder coating curative
Polyurethanes CASE (coatings, adhesives, sealants, elastomers)
Plastics processing, binders, inks/toners/photographic
Textiles, pharmaceuticals

Monomer Uses in Various Polymers

Improves chemical resistance
Increases toughness
Increases flexibility
Improves water resistance
Increases reactivity
Reduces melt properties
Increases solvent resistance

Technical Chemical / Physical Properties

Chemical & Physical Analysis	Value	UOM	Method
Appearance	White, crystalline powder		Visual
C18 Diacid Purity Level	90 min	wt.%	GC
Total Dibasic Acids	99 min	wt.%	GC
Total Monobasic Acids	0.5 max	wt.%	GC
Color (440nm)	60 min	%T	spectrophotometric
Color (550nm)	85 min	%T	spectrophotometric
Acid Value	350-360	mg KOH/g	AOCS Cd 3d-63

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