

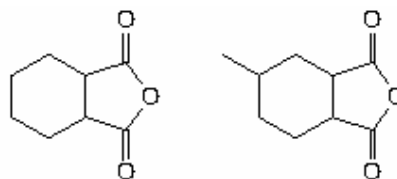
MHHPA/37

Methylhexahydrophthalic Anhydride

Description

MHHPA/37 is a blend of cycloaliphatic anhydrides, produced by Polynt SpA. Its main components are Hexahydrophthalic anhydride (HHPA) and Methylhexahydrophthalic anhydride (MHHPA). MHHPA/37 is a low viscosity liquid and is mainly used as a hardener for epoxy resins. It's also used as a raw material for coating resins. Use of MHHPA/37 provides excellent mechanical, electrical and chemical properties, as well as good color retention. It is particularly suitable for LED and Display production as well as for clear coats.

Chemical Name: Methylhexahydrophthalic Anhydride
Equivalent weight (theoretical): 164.0
CAS Number: 19438-60-9 (MHHPA) & 85-42-7 (HHPA)



Typical Applications for MHHPA/37 Cured Epoxy Resins

- LED and display production
- Outdoor power distribution castings
- Automotive clear coats

Specifications

Appearance	Clear Liquid
Color (Hz)	20 Max.
% Acid Content	0.5 Max.
% Purity	99 Min.
Viscosity at 25°C, mPa.s	62
Refractive index n_D^{25}	1.477
Density @ 25°C, g/ml	1.162
Vapor Pressure @ 120°C (mmHg)	3.0
Heat Stability (2h @ 160°C) (HZ)	50 Max.
Iodine Number (Wijs)	-

Typical Formulation

BV 179	100 phr
MHHPA/37	100 phr
AC-8	1 phr

Cure 1 hr at 80°C + 3 hours at 150°C



Properties

HDT, °C	124
Elongation, %	4.25
Tensile Strength, psi	11,250
Flexural Strength, psi	18,750
Dielectric Constant, 25°C – 60 cy	3.3
Dielectric Constant, 25°C – 10 ⁶ cy	3.125

Packaging and Storage

MHHPA/37 is available in galvanized steel drums of 220 kg, or in bulk. Upon request, other forms of packaging can be made available. MHHPA/37 must be stored away from open flames or other potential ignition sources, and should be protected from moisture, because it can crystallize when in contact with the humidity of the air. When some crystallization occurs, check the properties before reusing.

Shelf Life: 12 months from production date.

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