



Product Bulletin

Product Name

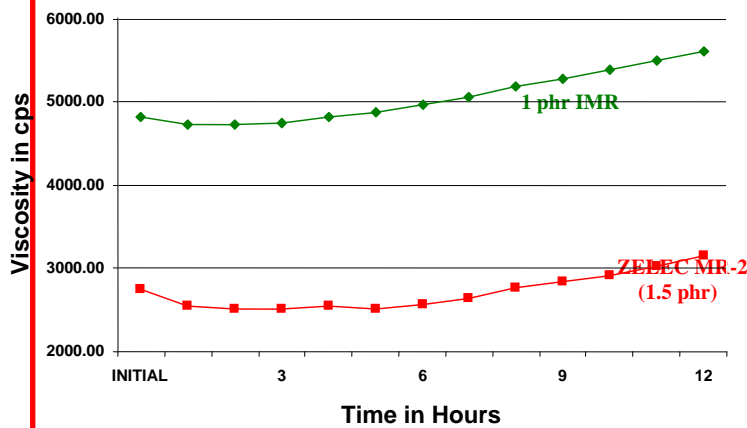
ZELEC[®] MR-2

Chemical Description

Alcohol phosphate

Applications

ZELEC MR-2 is used as a viscosity modifier and mold release agent in polyester resin systems. ZELEC MR-2 has been shown to reduce the viscosity of a resin system by as much as 30% and to give mold release when used at 1.5 parts per hundred resin. ZELEC MR-2 has shown this reduction specifically in clay filled systems. ZELEC MR-2 has reduced acidity compared to ZELEC UN (90 mg KOH/g vs. 270 mg KOH/g).



COMPONENT	PHR
Polyester	100
Styrene	1
Filler (Clay)	20
IMR	1.0-1.5
Peroxide Catalyst	0.75

Typical Properties

Appearance at 25°C Clear Liquid
 Density, g/ml (lbs/U.S. gal) at 25°C..... 0.992 (8.3)
 Actives, % 100
 Flash Point (PMCC), °C (°F) >94 (>201)
 Boiling Point at 760 mm Hg, °C (°F)..... 200 (393)
 Freeze Point °C (°F)..... < -3 (27)
 Viscosity, cps at 25°C 865
 Acid Value, mg KOH/g sample..... 90
 RVOC, US EPA, %..... <0.01

Storage & Handling

Normal safety precautions (i.e. gloves & safety goggles) should be employed when handling ZELEC MR-2. ZELEC MR-2 is corrosive, contact with eyes and skin should be avoided. ZELEC MR-2 should be stored in a cool, dry place in closed containers.

Standard Packaging: ZELEC MR-2 is available in bulk and 55 gallon drums (net weight 400 lbs/181 kg).

Clearances

ZELEC MR-2 is listed on TSCA. Product composition is considered a trade secret.

ZELEC[®] is a registered trademark of Stepan Company.



Additional
Safety
Information

A Material Safety Data Sheet is available upon request.

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