

# 3M™ Dynamar™ Rubber Curatives RC 5105, RC 5110, RC 5115, RC 5120 and RC 5125

## Features and Benefits

- FKM curatives for use in solvent based solution coatings
- Fast incorporation of curatives
- Excellent curative dispersion characteristics
- 3M technical service available for developing compound formulations

**Note:** Data in this document are not for specification purposes.

## Typical Properties

Property	RC 5105	RC 5110	RC 5115	RC 5120	RC 5125
Specific Gravity	1.19	0.98	1.04	0.93	0.91
Form	Transparent Liquid				
Color	Wine	Amber	Pinkish	Light Orange	Clear/Yellow
Viscosity	<100 cps				
Solubility	Methanol and Ethanol				
Active Ingredients	70%	43%	50%	50%	>95%

## Product Description

3M™ Dynamar™ Rubber Curatives RC 5105, RC 5110, RC 5115, RC 5120 and RC 5125 are liquid curatives that offer fast and easy incorporation into solvent based FKM solution coatings.

RC 5105 is 70% bisphenol AF crosslinking agent in ethanol.

RC 5110 is a 43% active pre-reacted complex of an organophosphonium salt accelerator and bisphenol AF crosslinking agent in alcohol.

RC 5115 is 50% bisphenol AF crosslinking agent in ethanol.

RC 5120 is 50% organophosphonium salt cure accelerator in methanol.

RC 5125 is a silane based adhesion promoter/crosslinking agent that can be used in addition to or in place of a metal primer.

## Safety and Toxicology

Follow recommended handling precautions for use of 3M rubber curatives. General handling precautions include: (1) Store and use all 3M rubber curatives only in well ventilated areas. (2) Do not smoke in areas where curative vapors are present. (3) Avoid eye contact. (4) After handling 3M rubber curatives wash any contacted skin with soap and water.

Potential hazards, including evolution of toxic vapors, do exist during compounding or processing under high temperature conditions. Before processing 3M rubber curatives, consult the product MSDS (Material Safety Data Sheet) and follow all label directions and handling precautions. You should also read and follow all directions from other compound ingredient suppliers. Material Safety Data Sheets on 3M products are available from your 3M Sales Representative and at 3M.com.

## ISO 9001

3M rubber curatives are manufactured at ISO 9001 registered facilities.



## Examples of FKM Coating Formulation Using 3M™ Dynamar™ Rubber Curatives

**Note:** Data in this document are not for specification purposes.

FKM Compound Masterbatch	PHR
3M™ Dyneon™ FC 2230	100
N990 MT Carbon Black	30
Maglite® Y MgO	15
Total PHR	145

Masterbatch is solvated to desired % solids/viscosity

FKM Coating Formulation	Curative Addition to Solvated Masterbatch in PHR (crosslinker & accelerator at equivalent levels)			
FKM Compound Masterbatch	145	145	145	145
3M™ Dynamar™ RC 5105	3	–	–	–
3M™ Dynamar™ RC 5110	–	–	2.3	2.3
3M™ Dynamar™ RC 5115	–	4.2	3.2	3.2
3M™ Dynamar™ RC 5120	1	1	–	–
3M™ Dynamar™ RC 5125	–	–	–	2

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