

## Silicone HCR Rubber

### Advantages Of Addition Cure HCR

- Use existing molds and presses
- Fast, complete cure
- Residue free with no post cure
- Easy control over cure parameters; scorch time, cure speed, cure initiation
- Cost effective compounds you customize to your customers needs

### Simplify Formulating With Andigum BASE

- Secure domestic stock and shipping
- Independent source of raw materials

### Products

**Andigum BASE** - General Purpose VMQ Silicone Base in 40 and 70 durometer

**Andigum** - High molecular weight vinyl containing silicone polymer

**Andifil AS 200** - 200 m<sup>2</sup>/g fumed silicas

**Andisil® OH 30 & OH 40** - Silica process aids

**Andisil® VQM** - Liquid vinyl resin reinforcement

**Andisil® XL Crosslinkers**- Silicone Hydride crosslinkers

**Andisil® CE Chain Extenders**- Terminal hydride chain Extenders

**Andisil® VS** - Vinyl polymer modifiers

**Andisil® SF** - Plasticizers and additives

Since 1995, AB Specialty Silicones has been known as a supplier and manufacturer of high quality silicone products for a wide range of industries. We are now bringing our manufacturing expertise, sourcing capabilities and technical knowledge to the world of silicone elastomers.

AB Specialty Silicones can supply all of the raw materials for the rubber formulator to create their own addition cure high consistency rubber compounds. We have formulation assistance available to help you develop your own unique custom product which meets your price and customers' performance targets.

We have convenient stock available from our warehouse outside Chicago and can provide quantities from pails to full container loads with volume discounts available.



# RUBBER



## TYPICAL PROPERTIES\*

**ANDIGUM BASES** Translucent; free of foreign material  
Specific Gravity: 1.08 -1.23

PROPERTIES	ANDIGUM BASE 40 F	ANDIGUM BASE 70 F
Duro	40	70
Tensile, Psi	1377	1378
Elongation, %	875	625
Tear, Ppi	194	78.5
CS, %	37	
	<b>CURATIVE</b>	DBPH, 0.7%
	<b>CURE</b>	10'@ 340 F

**ANDIGUM** Transparent; free of foreign material  
Terminal Vinyl and/or Pendant Vinyl

PRODUCT	PLASTICITY	VOLATILES (%)
Andigum 900	55 - 65	0.0 - 1.8
Andigum 901	55 - 65	0.0 - 3.0

### ANDIFIL AS 200

PROPERTIES	
Specific Surface Area	200 ± 30 m <sup>2</sup> /g
pH Value	> 4.0
Loss On Dry	≤ 1.0%
Loss On Ignition	≤ 2.5%
Residue	≤ 0.05
Content Of Carbon	≤ 0.2%
Chloride	≤ 0.025%

### ANDISIL® OH: SILANOL FUNCTIONAL FLUIDS

PRODUCT	DESCRIPTION
Andisil® OH 30	Low viscosity ~ 6% silanol fl, 30 cSt
Andisil® OH 40	Low viscosity 3.5% silanol fl, 40 cSt

### ANDISIL® XL: PENDANT CROSSLINKERS

PRODUCT	SiH CONTENT	VISCOSITY
Andisil® XL-1B	0.95 mmoles/gm	100 cSt
Andisil® XL-10	7.55 mmoles/gm	45 cSt
Andisil® XL-11	4.35 mmoles/gm	45 cSt
Andisil® XL-12	1.10 mmoles/gm	500 cSt
Andisil® XL-13	3.80 mmoles/gm	100 cSt
Andisil® XL-15	3.15 mmoles/gm	40 cSt
Andisil® XL-17	1.95 mmoles/gm	50 cSt

### ANDISIL® CE: CHAIN EXTENDERS

Andisil® CE-4	2.90 mmoles/gm	4 cSt
Andisil® CE-13	1.60 mmoles/gm	14 cSt
Andisil® CE-500	0.16 mmoles/gm	500 cSt

### ANDISIL® VS: VINYL POLYMERS

PRODUCT	VINYL CONTENT	VISCOSITY
Andisil® VS	0.015-3.00 mmoles/gm	6 cSt - 165,000 cps

### ANDISIL® VQM: LIQUID VINYL RESIN

PRODUCT	VINYL CONTENT	VISCOSITY
Andisil® VQM	0.20-1.10 mmoles/gm	500 cSt - 60,000 cps

### ANDISIL® SF: SILICONE FLUIDS

PRODUCT	VISCOSITY
Andisil® SF	0.65 cSt - 600,000 cps

\* These properties are not intended to be used as specifications but only as suggested characteristics



We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

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