



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 - Vinyl containing silicone polymers

Andifil AS 200 - 200 m²/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

Platinum Catalyst - High-quality Johnson Matthey catalyst dispersed in Andisil® VS for convenient handling

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: 1.09 -1.23

PROPERTIES	ANDIGUM HS-3441	ANDIGUM HS-3471
Duro	38	66
Tensile, Psi	1305	1272
Elongation, %	526	287
Tear, Ppi	94	102
CS, %	30	22
	CURATIVE	DBPH, 0.7%
	CURE	5'@175

ANDIFIL AS 200

PROPERTIES	
Specific Surface Area	200 ± 30 m ² /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® 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

ANDIGUM Transparent; free of foreign material
Typical Specific Gravity: 0.97
Maximum Volatile Content: 1.3%
Terminal Vinyl and/or Pendant Vinyl

PRODUCT	MOL. WT (10 ⁴)	VINYL (%)	MMOL/GM
Andigum H110-0	50 - 70	0.03 - 0.07	0.0148
Andigum H110-1	45 - 85	0.07 - 0.09	0.0296
Andigum H110-2	45 - 85	0.15 - 0.17	0.0593
Andigum H110-3	45 - 85	0.21 - 0.23	0.0815
Andigum H110-4	45 - 65	0.25 - 0.50	0.1407
Andigum H101-0	45 - 65	0.30 - 0.80	0.2037
Andigum H101-1	45 - 65	0.80 - 1.20	0.3704
Andigum H101-2	45 - 65	1.80 - 2.20	0.7407
Andigum H101-3	45 - 65	2.80 - 3.20	1.1111
Andigum H101-4	45 - 65	3.80 - 4.20	1.4815
Andigum H101-5	45 - 65	4.80 - 5.20	1.8519
Andigum H101-8	45 - 65	7.80 - 8.20	2.9630

ANDISIL® SF: SILICONE FLUIDS

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

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® 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

* 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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Andisil®