

STARSIL® HCR 1900 U

通用型模压高温硫化硅橡胶

技术数据表 n° 072068- Dec/2018

概述 STARSIL® HCR 1900 U 是有机硅混炼胶，在加入硫化剂后，通过加热硫化成型（硫化剂根据工艺所需来选择）。

用途 STARSIL® HCR 1900 U 可用于模压成型，产品具有良好的机械性能和外观。

- 优点**
- 优异的机械性能
 - 优异的外观
 - 容易加工、不粘辊、容易脱模
 - 热稳定性能好，耐热可达 200°C
 - 长期储存不易结构化
 - 无需二次硫化或二次硫化时间短
 - 混合加工时有很广的适用性

典型物性	外观	密度 (g/cm ³)	硬度 Shore A	拉伸 强度 (MPa)	断裂 伸长率 (%)	100% 模量 (MPa)	撕裂 强度	撕裂 强度	压缩 永久变形 177°C*22h (%)	回弹 (%)
							ASTM D 624 Die B (N/mm)	ASTM D 624 Die C (N/mm)		
HCR 1915 U	半透明	1.07	16	5.5	1204	0.18	14	16	NA	54
HCR 1920 U	半透明	1.07	20	6.8	1119	0.29	14	16	37	53
HCR 1930 U	半透明	1.08	30	8.0	828	0.48	12	17	41	60
HCR 1940 U	半透明	1.12	41	9.0	701	0.77	16	19	27	58
HCR 1950 U	半透明	1.16	50	8.9	573	1.11	18	22	28	54
HCR 1960 U	半透明	1.18	60	8.9	451	1.85	18	26	20	50
HCR 1970 U	半透明	1.21	70	8.4	379	2.77	19	24	19	44
HCR 1980 U	半透明	1.23	80	8.2	219	4.18	15	24	14	44

试片 160mm*160mm*2mm，加入 1.1% 的 2,5-二甲基 2,5-二过氧化叔丁基己烷 (45%) 后硫化。

表格数据：机械性能为一段硫化数据 175°C *5mins；压缩永久变形为一段硫化 170°C *15mins，且在二段硫化 200度 4h 后数据。每个数据为“约”。

请注意：典型物性不能用于制定规格。制定本产品规格前，请先联系当地销售部门。本公告中列出的典型性能不能用来作为有机硅材料特殊应用的技术参数，请联系我们的技术服务部门以获得书面的说明书。

包装 STARSIL® HCR 1900 U 采用 20 kg/纸板箱包装运输。

储存与有效期 STARSIL® HCR 1900 U 在未开封的原包装中，低于 40°C 的温度下，自包装上标明的生产日期起可以保存约 12 个月。超过保质期后，埃肯有机硅将不再保证产品品质达到销售的指标。

安全 请参考 STARSIL® HCR 1900 U 的安全数据表 (MSDS)。

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请访问我们的网站: www.lxxh.chemchina.com

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BLUESIL® HCR 1900 U A2**GENERAL MOLDING HEAT CURED SILICONE RUBBER**

Technical Data Sheet n° 072069– Dec/2018

Description **BLUESIL® HCR 1900 U A2** is a silicone master-batch, vulcanizing under heat after addition of a vulcanizing agent that could be chosen according to actual processing requirement.

Application Moulding articles with good mechanical properties and appearance.

Key benefits

- Good mechanical properties
- Excellent appearance
- Easy to process; no sticky to rolls; easy to demold
- Good stability up to 200°C
- Slight replastification after prolonged storage
- No post-cure or slight post-cure
- Wide range of reloading or blending

Typical properties	Appearance	Density (g/cm ³)	Hardness Shore A	Tensile Strength (MPa)	Elongation at break (%)	100% Modulus (MPa)	Tear Strength ASTM D 624 Die B (N/mm)	Tear Strength ASTM D 624 Die C (N/mm)	Compression Set 177°C *22h (%)	Rebound (%)
HCR 1915 U	Translucent	1.07	16	5.5	1204	0.18	14	16	NA	54
HCR 1920 U	Translucent	1.07	20	6.8	1119	0.29	14	16	37	53
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ASTM slabs 160mm*160mm*2mm at 175°C cured for 5 mins after addition of 1.1% 2,5-dimethyl-2,5-di(tert-butylperoxy)hexane (at 45%).). Compression set is test after cured at 170°C cured for 15 minutes and 200°C cured for 4 hours (post cure). These data are approx.

Please note: The typical properties are not intended for use in preparing specifications for any particular applications. Please contact our Technical Service Department for more detailed data.

Packaging **BLUESIL® HCR 1900 U A2** is delivered in 20 kg/carton box.

Storage and shelf life **BLUESIL® HCR 1900 U A2** may be stored in its original unopened packaging at a temperature below 40°C for up to about 12 months from the date of manufacture marked clearly on the packaging. Beyond this date, ELKEM Silicones no longer guarantees that the product meets the sales specifications.

BLUESIL® HCR 1900 U A2**Safety**Please consult the Safety Data Sheet of **BLUESIL® HCR 1900 U A2**.Visit our website: www.lxxh.chemchina.com**Contact:**

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