

SILBIONE™ HCRU 4160

HCR Extrusion and Molding

Technical Data Sheet 1 –
November/2017

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|---------------------------------|---|
| Description | SILBIONE™ HCRU 4160 is a healthcare grade 60 durometer silicone rubber base |
| Examples of applications | <ul style="list-style-type: none"> • Extrusion of tubing and profiles • Compression, transfer and injection molding |
| Key benefits | <ul style="list-style-type: none"> • Excellent physical properties • Excellent extrusion properties |
| Typical properties | <p>Aspect Mill able consistency</p> <p>Color Translucent</p> <p>Odor None</p> <p>Specific gravity at 25 °C, approx. 1.1</p> |

| Typical Physical Properties* | | | |
|--------------------------------|--------------------|---------------------|-------|
| Property | Method | Units | Value |
| Durometer Hardness | ASTM D2240, Type A | | 56 |
| Tensile Strength | ASTM D412 | Lb./in ² | 1400 |
| | | N/mm ² | 9.65 |
| Elongation | ASTM D412 | % | 680 |
| 100% Modulus | ASTM D412 | Lb./in ² | 354 |
| | | N/mm ² | 2.44 |
| Tear Resistance | ASTM D624, Die B | Lb./inch | 270 |
| | | N/mm | 47.3 |
| Impact Resilience [‡] | ASTM D2632 | % | 55 |

* After addition of 0.5% 2,5-dimethyl-2,5-di(t-butylperoxy)hexane
After press cure 10 minutes at 177 °C (350 °F)

[‡] Press cure 30 minutes on 12.7 mm (½ inch) thickness button

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

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Instruction of use **SILBIONE™ HCRU 4160** may be fabricated into various articles by extrusion, calendaring, compression, transfer or injection molding techniques. Carefully weigh and mix an organic peroxide that is suitable for the method of fabrication. Handle and store all materials in accordance with applicable safety and environmental standards.

Packaging **SILBIONE™ HCRU 4160** is sold in 20 kg boxes

Storage and shelf life When stored in its original packaging at a temperature between 15 °C and 35 °C, **SILBIONE™ HCRU 4160** may be stored for up to 24 months from its date of manufacture.
Comply with the storage instructions and expiry date marked on the packaging.
Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

Safety Please consult the Safety Data Sheet of **HCRU 4160**.

Visit our website www.silicones.elkem.com

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