Bluesil™ HCR 1930 U A2

HEAT CURED SILICONE RUBBER

Description
Bluesil™ HCR 1930 U A2 is a silicone master-batch, vulcanizing under heat after addition of a vulcanizing agent (chosen according to the transformation procedure).

Applications
Moulding, extrusion of articles with good mechanical properties.

Special properties
- Slight replastification after prolonged storage
- Easy to process; no sticky to rolls; easy to demold
- No post-cure or slight post-cure
- Low hardness, but good mechanical properties, especially are tensile strength, elongation at break and tear strength
- Good stability up to 200°C
- Bright colors easily obtained with Bluestar Silicones SC color bases
- Wide range of reloading or blending

Characteristics
- Type (in accordance with ISO 1629-1995)……………………………… VMQ
- Density at 25°C, g/cm³, approx……………………………………… 1.09
- Aspect……………………………………………………………….. Translucent

Properties after working
After addition of 1.1% 2,5-dimethyl-2,5-di(tert-butylperoxy)hexane (at 45%), and vulcanization for 5 minutes at 175°C

1. Mechanical properties
1.1 Properties without post-cure
Shore A hardness, approx………………………………… 31
Tensile strength, MPa, approx……………………………… 7.8
Elongation at break, %, approx…………………………… 686
Modulus at 100% elongation, MPa, approx…………… 0.5
Tear strength(ASTM D 624 Die C), kN/m, approx……… 16
Rebound resilience, %, approx…………………………… 52

1.2 Properties after post-cure for 4 hours at 200°C
Shore A hardness, approx………………………………… 32
Tensile strength, MPa, approx……………………………… 7.0
Elongation at break, %, approx…………………………… 576
Tear strength(ASTM D 624 Die C), kN/m, approx……… 15
Compression set (22h/177°C/25%), %, approx………… 29
Rebound resilience, %, approx…………………………… 51

Packaging
Bluesil™ HCR 1930 U A2 is delivered in 20 kg carton boxes.

Storage and shelf life
Bluesil™ HCR 1930 U A2 may be stored in its original unopened packaging at a temperature below 40°C for up to 6 months from the date of manufacture marked clearly on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

Safety
Consult the Safety Data Sheet of Bluesil™ HCR 1930 U A2.

Visit our website: www.lxxh.chemchina.com

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