



WSC4029

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Description

Momentive Performance Materials weatherstrip coating WSC4029 is a three component, matte black, pure silicone, water-based coating system designed for numerous automotive applications.

The coating system comprises transparent and black base emulsion (WSC4029 AC) a crosslinker, B, and a catalyst, D. The cured coating provides surfaces, such as EPDM rubber or TPE, with lubricating, water repellent and easy release characteristics. It also imparts a high level of mar and abrasion resistance and reduces friction-related noise due to vibration of body parts (such as doors). WSC4029AC+ is a formulation for better control of foam generation.

Key Features and Benefits

- water based; zero VOC content
- excellent noise reduction properties
- controlled surface properties
- good adhesion to EPDM rubbers

Typical Physical Properties

Property	AC	B	D
Solids content %	30	37	n.a.
Viscosity/ Flow time, DIN 53211, 23°C, 4mm	13	13	28
Color	Black	Milky	Clear

Typical Cured Film Properties

Property	Test Method	Value
Friction Coefficient	DIN 53375	0.3
Abrasion Resistance	Dry Crockmeter	500 pass
Freeze Release	TL523 45	Pass
Repaintability	TSM 1701G	Pass

Potential Applications

The bath should be kept under constant slow agitation to ensure maximum pot life and reduce possible clogging of spray equipment. For best results, the substrate to be coated must be clean and dry and the substrate temperature should be between 40 and 180°C; lower application temperatures may affect the adhesion and appearance of the coating. Typically, the coating would be applied by conventional HVLP or electrostatic spray techniques. The spray gun nozzle size should be >1mm. To avoid gun blocking, the coating should be filtered with a filter of approx 200 micron after mixing the

components. Best practice has shown that an inline filter should be used between mixing bath and spray gun. For conventional spray equipment, multiple guns are recommended to ensure continuous coverage. A film thickness between 6 and 12 microns is recommended depending on abrasion requirements.

Patent Status

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Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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Contact Information

For product prices, availability, or order placement, contact our customer service by visiting www.momentive.com/Contacts

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