



BR-015H Polymer Data

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|-----------------------|--|
| Polymerization System | -- Solution Polymerization |
| Catalyst | -- Ziegler Cobalt Type |
| Configuration | -- 94% cis minimum |
| Stabilizer | -- Non-staining |
| Specific gravity | -- 0.91 |
| Characteristics | -- Short dissolving time |
| | -- Low solution viscosity |
| | -- Very low gel content |
| | -- Excellent gloss |
| | -- Excellent low temperature properties |
| Application | -- Mainly for high impact polystyrene (HIPS) modification. |

Specification Values

| <u>POLYMER PROPERTIES</u> | <u>minimum.</u> | <u>maximum</u> | <u>Test Method</u> |
|---|-----------------|----------------|--------------------|
| Mooney Viscosity, ML ₁₊₄ 100°C | 37 | 47 | ASTM D-1646 |
| Volatile Matter (%) | ----- | 0.5 | ASTM D-5668 |
| Ash (%) | ----- | 0.2 | ASTM D-5667 |
| Stabilizer, (phr) | ----- | 0.7 | K62-BRFP-23 |

PROPERTIES IN 5% STYRENE SOLUTION

| | | | |
|--------------------------------|-------|-------|-------------|
| Solution viscosity, 25°C (cps) | 45 | 75 | ASTM D-3616 |
| APHA color | ----- | 15 | ASTM D-1209 |
| Styrene insoluble, (%) | ----- | 0.015 | K62-BRFP-06 |

