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| version 2.21 | This software has been licensed for exclusive use to: | | | | Run Number | | Costprice | | | | | | |
| | Any Foamer Inc. | | | | Date: | | Chemical cost; by weight | | 3.596 | JD/kg | | | |
| Grade | | | | | Chemical cost; by volume | | 56.757 | JD/m3 | | | | | |
| | | | | Test Number: | | | | | | | | | |
| | | | | | | Block Temp. (exothermic) | | 157.7 | °C | | | | |
| | | | | MACHINE SETTINGS | | | | | | | | | |
| Component | OH number | %H2O | % of filler/ solids/ strength | pbw | Kg/min | RPM/Flow | Note | Pot. Setting /Temp. | Predicted Properties | | | | |
| Polyol standard | 46-02 | 56.0 | 0.025 | 100.0 | 100.000 | 120.000 | 59.5 | 613.1 | Density | 15.33 | kg/m ³ | | |
| High Load Polyol | HS100 | 28.5 | 0.030 | 45.0 | 0.000 | | | | IFD 40% (ISO) | 96 | N | | |
| Polyol/Filler slu | 0 pbw of CaCO3 powder | 56.0 | | 50.0 | 0.000 | | | | | | | | |
| Water (total) | | | | | 4.900 | | | | Tensile strength | 58 | kPa | | |
| Water (added) | Municipal | | | | 4.875 | 5.850 | 14.7 | 519.1 | Elongation | 184 | % | | |
| MeCl2 | - | | | | 12.000 | 14.400 | 17.0 | LARGE | 646.7 | Tearstrength | 0.86 | pli | |
| MD 145-01 | - | 145.0 | | | 0.000 | | | | Compression Set 90% | 6.4 | % | | |
| Arcol DP-1022 | - | 1240 | | | 0.000 | | | | Humid Aging CS 90% | 7.9 | % | | |
| Ortegol 310 | - | | 50 | | 0.000 | | | | Fatigue Loss 25% | 36.0 | % | | |
| Carapor 2001 | - | | 80 | | 0.000 | | | | | | | | |
| TDI index | | | | | 110.000 | | | | Gas loss | 13.3 | % | | |
| TDI 80 | - | | | | 61.669 | 74.003 | 63.3 | 662.8 | Output dry (total) | 188 | kg/min | | |
| Flame retardant | Firemaster BZ-54 | | - | | 0.000 | | | | Running parameters | | SELECT | | |
| Glycerine | - | 1826 | | | 0.000 | | | | Block width cold | 2.01 | m | | |
| | | | | | | | | | Block height cold | 1.10 | m | | |
| Silicon | L 580 | Suggested (diluted) catalyst levels. | 1.500 | strength | 100% | 1.200 | 1.440 | 70.7 | 736.2 | Trough volume | 70 | l | |
| Amine 1 | 33LV pure | | 0.087 | | 100% | 0.441 | 0.529 | 104.8 | too HIGH | 1077.0 | Risetime suggested | 108 | s |
| Amine 2 | A-1 pure | | 0.029 | | 100% | 0.147 | 0.176 | 34.4 | | 373.7 | Risetime SELECTED | 108 | s |
| St. Oct. | T-9 pure | | 0.340 | | 100% | 0.260 | 0.312 | 58.6 | | 615.0 | Fallplate length | 6.50 | m |
| Colour 1 | Pink/polyol=3/1 | Dilutant is subtracted from polyol. If no dilutant used; take 100% | | strength | 75% | 0.000 | | | | Full Rise suggested | 7.69 | m | |
| Colour 2 | anti oxidant | | 100% | | 0.000 | | | | | Full Rise SELECTED | 7.70 | m | |
| Colour 3 | Red | | 100% | | 0.000 | | | | | Conveyor suggested | 5.39 | m/min | |
| Colour 4 | Black | | 100% | | 0.000 | | | | | Conveyor SELECTED | 5.40 | m/min | |
| Colour 5 | Blue | | 100% | | 0.000 | | | | | Polyol output suggested | 120.3 | kg/min | |
| Colour 6 | Brown | | 100% | | 0.000 | | | | | Polyol output SELECTED | 120.0 | kg/min | |
| TOTAL | | | | | 180.592 | 216.711 | | | Dwell time | 21.7 | s | | |
| Polyol & TDI temperature | 21.0 | °C | Fall plates | Length | sugg. Height | act. Height | | | | Messages | | | |
| Atm. Pressure | 1016 | mBar | Trough | 2.30 | 791 | | Mixer speed | rpm | | | | | |
| Ambient temperature | 30.0 | °C | Plate # 1 | 1.10 | 468 | | Head pressure | bar | | | | | |
| Relative humidity | 73 | % | Plate # 2 | 1.10 | 343 | | Nucl. Air | l/min. | | | | | |
| Abs. Humidity (approx) | 23.4 | mmHg | Plate # 3 | 1.10 | 166 | | Flexible dia | mm | | | | | |
| Altitude equivalent | 0 | m | Plate # 4 | 0.85 | 10 | | | | | | | | |
| <p>Green; can be adjusted to change formulation or running conditions</p> <p>Yellow; can be modified for basic information</p> <p>Aubergine; the suggested T-9 level does not take the effect of Glycerine into account; lower T-9 levels will be needed and cuptesting for fine tuning is recommendable.</p> <p>all other fields are protected from editing</p> | | | | This software has been developed by: | | | | <p>Flexible Foam Solutions, Molenlaan 77, 2181 GS HILLEGOM, the Netherlands tel. +31 252 532 192 fax +31 252 532 231 email; johanstoute@compuserve.com</p> | | | | | |
| <p>This model is developed for a density range of 14 to 60 kg/m³, predictions outside this range may produce inaccurate results. FFS does not accept any liability for the use of formulations or data generated by this model.</p> | | | | | | | | | | | | | |

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| version 2.21 | This software has been licensed for exclusive use to: | | | | Run Number | | Costprice | | | | |
| | Any Foamer Inc. | | | | Date: | | Chemical cost; by weight | 3.416 JD/kg | | | |
| Grade | | | | | | Chemical cost; by volume | 53.945 JD/m ³ | | | | |
| | | | | Test Number: | | | | | | | |
| | | | | | | Block Temp. (exothermic) | 164.5 °C | | | | |
| | | | | MACHINE SETTINGS | | | | | | | |
| Component | OH number | %H ₂ O | % of filler/solids/strength | pbw | Kg/min | RPM/Flow | Note | Pot. Setting /Temp. | Predicted Properties | | |
| Polyol standard | 46-02 | 56.0 | 0.025 | 85.0 | 85.000 | 95.200 | 47.1 | 492.6 | Density | 15.33 kg/m ³ | |
| High Load Polyol | HS100 | 28.5 | 0.030 | 45.0 | 0.000 | | | | IFD 40% (ISO) | 97 N | |
| Polyol/Filler slu | 15 pbw of CaCO ₃ powder | 56.0 | | 50.0 | 30.000 | 33.600 | 31.6 | 345.8 | | | |
| Water (total) | | | | | 5.500 | | | | Tensile strength | 57 kPa | |
| Water (added) | Municipal | | | | 5.479 | 6.136 | 15.5 | 549.8 | Elongation | 180 % | |
| MeCl ₂ | - | | | | 13.000 | 14.560 | 17.2 | LARGE 656.1 | Tearstrength | 0.84 pli | |
| MD 145-01 | - | 145.0 | | | 0.000 | | | | Compression Set 90% | 8.0 % | |
| Arcol DP-1022 | - | 1240 | | | 0.000 | | | | Humid Aging CS 90% | 9.0 % | |
| Ortegol 310 | - | | 50 | | 0.000 | | | | Fatigue Loss 25% | 38.8 % | |
| Carapor 2001 | - | | 80 | | 0.000 | | | | | | |
| TDI index | | | | | 109.000 | | | | Gas loss | 13.0 % | |
| TDI 80 | - | | | | 67.433 | 75.525 | 64.8 | 677.3 | Output dry (total) | 198 kg/min | |
| Flame retardant | Firemaster BZ-54 | | - | | 0.000 | | | | Running parameters SELECT | | |
| Glycerine | - | 1826 | | | 0.000 | | | | Block width cold | 2.01 m | |
| Silicon | L 580 | Suggested (diluted) catalyst levels. | 1.700 | strength | 1.200 | 1.344 | 66.0 | 689.0 | Block height cold | 1.10 m | |
| Amine 1 | 33LV pure | | 0.072 | | 100% | 0.441 | 0.494 | 97.8 | too HIGH 1007.2 | Trough volume | 70 l |
| Amine 2 | A-1 pure | | 0.024 | | 100% | 0.147 | 0.165 | 32.1 | | Risetime suggested | 100 s |
| St. Oct. | T-9 pure | | 0.360 | | 100% | 0.260 | 0.291 | 54.5 | | Risetime SELECTED | 100 s |
| Colour 1 | Pink/polyol=3/1 | Dilutant is subtracted from polyol. If no dilutant used; take 100% | 75% | strength | 0.000 | | | | Full Rise suggested | 7.57 m | |
| Colour 2 | anti oxidant | | 100% | | 0.000 | | | | | Full Rise SELECTED | 7.60 m |
| Colour 3 | Red | | 100% | | 0.000 | | | | | Conveyor suggested | 5.76 m/min |
| Colour 4 | Black | | 100% | | 0.000 | | | | | Conveyor SELECTED | 5.70 m/min |
| Colour 5 | Blue | | 100% | | 0.000 | | | | | Polyol output suggested | 112.7 kg/min |
| Colour 6 | Brown | | 100% | | 0.000 | | | | | Polyol output SELECTED | 112.0 kg/min |
| TOTAL | | | | | 202.960 | 227.315 | | | Dwell time | 20.6 s | |
| Polyol & TDI temperature | 21.0 °C | Fall plates | Length | sugg. Height | act. Height | | | | Messages | | |
| Atm. Pressure | 1016 mBar | Trough | 2.30 | 792 | | Mixer speed | rpm | | | | |
| Ambient temperature | 30.0 °C | Plate # 1 | 1.10 | 474 | | Head pressure | bar | | | | |
| Relative humidity | 73 % | Plate # 2 | 1.10 | 347 | | Nucl. Air | l/min. | | | | |
| Abs. Humidity (approx) | 23.4 mmHg | Plate # 3 | 1.10 | 160 | | Flexible dia | mm | | | | |
| Altitude equivalent | 0 m | Plate # 4 | 0.85 | 10 | | | | | | | |
| <p>Green; can be adjusted to change formulation or running conditions</p> <p>Yellow; can be modified for basic information</p> <p>Aubergine; the suggested T-9 level does not take the effect of Glycerine into account; lower T-9 levels will be needed and cuptesting for fine tuning is recommendable.</p> <p>all other fields are protected from editing</p> | | | | This software has been developed by: | | | | <p>Flexible Foam Solutions, Molenlaan 77, 2181 GS HILLEGOM, the Netherlands tel. +31 252 532 192 fax +31 252 532 231 email; johanstoute@compuserve.com</p> | | | |
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