

**HOMOPOLYMERS**

| PRODUCT           | SOLID CONTENT % | VISCOSITY mPa.s   | pH          | MFFT °C | STABILIZING SYSTEM | PAPER ADHESIVES | WOOD ADHESIVES | CARPET BACK COATINGS | Sizing Agent | SHOES INSOLE GLUE | CORRUGATED CARTON | WOODEN OYMA | Putty Application | COMMENTS                           |
|-------------------|-----------------|-------------------|-------------|---------|--------------------|-----------------|----------------|----------------------|--------------|-------------------|-------------------|-------------|-------------------|------------------------------------|
| OBEMUL H150       | 50 +/- 1        | 40,000 +/- 10,000 | 4.5 +/- 0.5 | 15      | PVOH               | ***             | ***            |                      | **           |                   | **                |             | **                | HOMOPOLYMER                        |
| OBEMUL HP154      | 54 +/- 2        | 45,000 +/- 10,000 | 4.5 +/- 0.5 | 0       | PVOH               | ***             | ***            |                      |              |                   | **                | *           | **                | PLASTICIZED HOMOPOLYMER            |
| OBEMUL HM151      | 50 +/- 1        | 55,000 +/- 10,000 | 4.5 +/- 0.5 | 5       | PVOH               | **              | ***            |                      |              |                   | ***               |             | ***               | MODIFIED HOMOPOLYMER               |
| OBEMUL HMP152     | 50 +/- 1        | 70,000 +/- 10,000 | 4.5 +/- 0.5 | 3       | PVOH               | **              | ***            | ***                  |              | **                | ***               | **          | **                | MODIFIED / PLASTICIZED HOMOPOLYMER |
| OBEMUL HP147      | 45 +/- 2        | 40,000 +/- 10,000 | 4.5 +/- 0.5 | 10      | PVOH               | **              | ***            | ***                  | **           | ***               | **                |             | **                | PLASTICIZED HOMOPOLYMER            |
| OBEMUL H160       | 60 +/- 1        | 30,000 +/- 8,000  | 5.0 +/- 0.5 | 16      | PVOH               | ***             | **             | *                    | ***          |                   | **                | ***         | **                | HIGH SOLID HOMOPOLYMER             |
| OBEMUL HMP140     | 40 +/- 1        | 40,000 +/- 10,000 | 4.5 +/- 0.5 | 3       | PVOH               | *               | ***            |                      |              |                   | *                 |             | **                | MODIFIED / PLASTICIZED HOMOPOLYMER |
| OBEMUL HLD 150 SF | 50 +/- 1        | 15,000 +/- 3,000  | 4.5 +/- 0.5 | 5       | PVOH               | **              | ***            | ***                  |              | **                | ***               | **          | **                | MODIFIED / PLASTICIZED HOMOPOLYMER |

**VINYL ACRYLATE COPOLYMER**

| PRODUCT        | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | TEXTURED COATING | PUTTY | PRIMER | QUARTZ PAINT | METALIC PIGMENT | LOW VOC PAINTS | VOC FREE PAINTS |
|----------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------------|-------|--------|--------------|-----------------|----------------|-----------------|
| OBEMUL VA256 R | 56 +/- 1        | 4,000 +/- 1,000 | 4.5 +/- 0.5 | 9       | ANIONIC / NONIONIC | ***           | ***            | ***               | **               | ***   | **     | **           | **              | ***            | **              |
| OBEMUL VA250 R | 50 +/- 1        | 2,500 +/- 1,000 | 4.5 +/- 0.5 | 9       | ANIONIC / NONIONIC | ***           | ***            | **                | *                | **    | **     | **           | ***             | ***            | **              |

**STYRENE ACRYLIC COPOLYMER**

| PRODUCT          | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | TEXTURED COATING | CRAFT PAPER ADHESIVE | PRIMER | HYDRAULIC CEMENT | ROOF COATING | LOW VOC PAINTS | VOC FREE PAINTS |
|------------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------------|----------------------|--------|------------------|--------------|----------------|-----------------|
| OBEMUL SA350 CA2 | 50 +/- 1        | 2,500 +/- 1,000 | 8.0 +/- 0.5 | 0       | ANIONIC / NONIONIC | **            | **             | ***               | **               | **                   | **     | *                | ***          | **             | *               |
| OBEMUL SA351 CA  | 50 +/- 1        | 2,500 +/- 1,000 | 8.0 +/- 0.5 | 13      | ANIONIC / NONIONIC | **            | ***            | ***               | **               | ***                  | **     | ***              | **           | **             | *               |
| OBEMUL SA352     | 50 +/- 1        | 7,000 +/- 2,000 | 8.0 +/- 0.5 | 20      | ANIONIC / NONIONIC | ***           | **             | ***               | *                | **                   | **     | *                | **           | **             | *               |
| OBEMUL SA353 OA  | 50 +/- 1        | 1,500 +/- 5,00  | 8.0 +/- 0.5 | 24      | ANIONIC / NONIONIC | ***           | *              | **                | *                | **                   | **     | *                | *            | **             | *               |
| OBEMUL SA352 LV  | 50 +/- 1        | 7,000 +/- 2,000 | 8.0 +/- 0.5 | 20      | ANIONIC / NONIONIC | ***           | **             | ***               | *                | **                   | **     | *                | **           | **             | *               |

**PURE ACRYLIC COPOLYMER**

| PRODUCT         | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | WOOD STAIN | PUTTY | PRIMER | QUARTZ PAINT | TEXTILE PRINTING | LOW VOC PAINTS | VOC FREE PAINTS |
|-----------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------|-------|--------|--------------|------------------|----------------|-----------------|
| OBEMUL PA447    | 47 +/- 1        | < 1,500         | 8.0 +/- 0.5 | 12      | ANIONIC / NONIONIC | ***           | ***            | ***               | *          | *     | **     | ***          | *                | ***            | **              |
| OBEMUL PA450    | 50 +/- 1        | < 1,500         | 8.0 +/- 0.5 | 12      | ANIONIC / NONIONIC | ***           | ***            | ***               | *          | *     | **     | ***          | *                | ***            | **              |
| OBEMUL PA444    | 44 +/- 1        | < 1,500         | 8.0 +/- 0.5 | 0       | ANIONIC / NONIONIC |               |                |                   |            |       | *      |              | ***              |                |                 |
| OBEMUL PA440 K1 | 44 +/- 1        | < 1,500         | 8.0 +/- 0.5 | 0       | ANIONIC / NONIONIC |               |                |                   | ***        |       |        |              |                  |                |                 |

**VINYL ACETATE / VEOVA COPOLYMERS**

| PRODUCT      | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | TEXTURED COATING | PUTTY | PRIMER | QUARTZ PAINT | ROOF COATING | LOW VOC PAINTS | VOC FREE PAINTS |
|--------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------------|-------|--------|--------------|--------------|----------------|-----------------|
| OBEMUL C550  | 50 +/- 1        | 3,000 +/- 1,000 | 4.5 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            | *                 | **               | ***   | **     | **           | *            | **             |                 |
| OBEMUL C26-S | 50 +/- 1        | 7,000 +/- 2,000 | 4.5 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            |                   | ***              | ***   | **     | ***          | *            | **             |                 |
| OBEMUL P550  | 50 +/- 1        | 2,500 +/- 1,000 | 4.5 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | **             | *                 | **               | **    | **     | **           | *            | **             |                 |
| OBEMUL VV555 | 55 +/- 1        | 9,000 +/- 2,000 | 4.5 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            | **                | **               | ***   | ***    | **           | *            | **             |                 |
| OBEMUL O3MS  | 50 +/- 1        | 7,000 +/- 1,000 | 5.0 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            | ***               | ***              | **    | **     | ***          |              | **             |                 |
| OBEMUL O3M   | 50 +/- 1        | 3,500 +/- 1,000 | 5.0 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            | ***               | ***              | **    | **     | ***          |              | **             |                 |
| OBEMUL C555  | 55 +/- 1        | 9,000 +/- 2,000 | 4.5 +/- 0.5 | 5       | ANIONIC / NONIONIC | ***           | ***            | **                | **               | ***   | ***    | **           | *            | **             |                 |

**TERPOLYMERS**

| PRODUCT     | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | TEXTURED COATING | PUTTY | PRIMER | QUARTZ PAINT | ROOF COATING | LOW VOC PAINTS | VOC FREE PAINTS |
|-------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------------|-------|--------|--------------|--------------|----------------|-----------------|
| OBEMUL T550 | 50 +/- 1        | 3,000 +/- 1,000 | 4.5 +/- 0.5 | 3       | ANIONIC / NONIONIC | ***           | ***            | ***               | **               | **    | ***    | ***          | **           | **             |                 |
| OBEMUL T555 | 55 +/- 1        | 9,000 +/- 2,000 | 4.5 +/- 0.5 | 3       | ANIONIC / NONIONIC | ***           | ***            | ***               | **               | **    | ***    | ***          | **           | **             |                 |

**ELASTOMERIC POLYMER**

| PRODUCT         | SOLID CONTENT % | VISCOSITY mPa.s | pH          | MFFT °C | STABILIZING SYSTEM | INDOOR PAINTS | OUTDOOR PAINTS | SEMI GLOSS PAINTS | TEXTURED COATING | PUTTY | PRIMER | HYDRAULIC CEMENT | ROOF COATING | LOW VOC PAINTS | VOC FREE PAINTS |
|-----------------|-----------------|-----------------|-------------|---------|--------------------|---------------|----------------|-------------------|------------------|-------|--------|------------------|--------------|----------------|-----------------|
| OBEMUL EL755 SF | 55 +/- 1        | <1,000          | 7.0 +/- 0.5 | <0      | ANIONIC / NONIONIC | ***           | ***            | ***               | ***              | ***   | ***    | **               | ***          | **             | *               |
| OBEMUL SA356 SF | 56 +/- 1        | <1,000          | 7.0 +/- 0.5 | <0      | ANIONIC / NONIONIC | **            | **             | **                | ***              | **    | ***    | ***              | ***          | **             | *               |

**POLYCARBOXYLATES / POLYACRYLATES**

| PRODUCT       | SOLID CONTENT % | VISCOSITY mPa.s | pH          | FUNCTION          | CEMENT MIXTURE | PLAN CONCRETE | REINFORCEMENT CONCRETE | SELF LEVELING CEMENT MIXTURE | WATER RETENTION | SLUMP MAKER | DETERGENT | COATING | COMMENTS      |
|---------------|-----------------|-----------------|-------------|-------------------|----------------|---------------|------------------------|------------------------------|-----------------|-------------|-----------|---------|---------------|
| OBELAN SP6402 | 40 +/- 1        | < 500           | 5.5 +/- 0.5 | SUPER PLASTICIZER | ***            | ***           | ***                    | **                           | ***             | ***         |           |         | SODIUM SALT   |
| OBELAN SP6501 | 40 +/- 1        | < 500           | 5.5 +/- 0.5 | SUPER PLASTICIZER | **             | ***           | ***                    | **                           | ***             | ***         |           |         | SODIUM SALT   |
| OBEMUL SP8402 | 45 +/- 1        | < 500           | 6.5 +/- 0.5 | DISPERSING AGENT  | ***            |               |                        | **                           | **              | **          |           | ***     | SODIUM SALT   |
| OBEMUL AP8402 | 40 +/- 1        | < 500           | 6.5 +/- 0.5 | DISPERSING AGENT  | ***            |               |                        | **                           | **              | **          |           | ***     | AMMONIUM SALT |
| OBEMUL SP8501 | 45 +/- 1        | < 500           | 6.5 +/- 0.5 | DISPERSING AGENT  | ***            |               |                        | **                           | **              | **          | ***       |         | SODIUM SALT   |
| OBEMUL CP740  | 40 +/- 1        | 3000 +/- 500    | 7.5 +/- 0.5 | DISPERSING AGENT  | ***            |               |                        | **                           | **              | **          | ***       |         | SODIUM SALT   |