



Polycarbonate Diols

Caffaro Industrie, S.p.A. Products

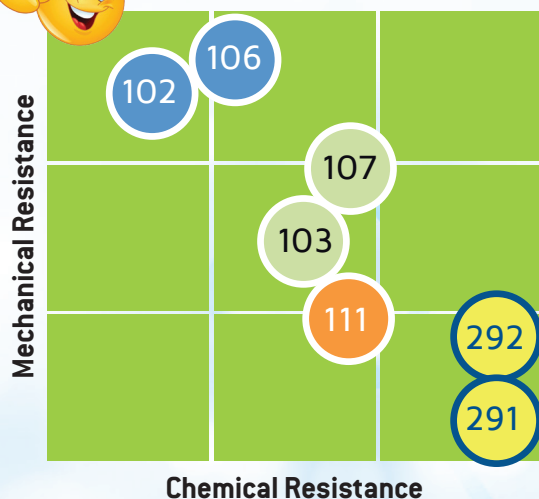
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RAVECARBs are way better than all the other polyols in achieving high quality PU systems HOWEVER...some of them are "just" special at all the applications, while some others are really unique!



| | Paints | Coatings | Liquid Inks | Synthetic Leather | Elastomers | Adhesives | Sealants |
|--------------|--------|----------|-------------|-------------------|------------|-----------|----------|
| RAVECARB 102 | 👍 | 👍 | | | | 👍 | 👍 |
| RAVECARB 106 | 👍 | 👍 | | | 👍 | 👍 | 👍 |
| RAVECARB 103 | 👍 | 👍 | | | | 👍 | 👍 |
| RAVECARB 107 | | | | 👍 | | | |
| RAVECARB 111 | | | | 👍 | | | |
| RAVECARB 291 | | | 👍 | 👍 | | | |
| RAVECARB 292 | | | 👍 | 👍 | | | |

| | RAVECARB 102 | RAVECARB 103 | RAVECARB 106 | RAVECARB 107 | RAVECARB 111 |
|------------------------------|----------------------------|---|----------------------------|---|---|
| Chemical Structure | Homopolymer from hexandiol | Copolymer from hexandiol and pentandiol | Homopolymer from hexandiol | Copolymer from hexandiol and pentandiol | Copolymer from polycaprolacton diol and hexandiol |
| Appearance | White solid | Liquid | White solid | Liquid | Liquid |
| Theoretical OH functionality | 2 | 2 | 2 | 2 | 2 |
| OH number (mg KOH/g) | 106 – 118 | 100 – 120 | 53 – 59 | 58 – 64 | 56 |
| Average molecular weight | 1000 | 1025 | 2000 | 1850 | 2000 |
| Acidity number (mg KOH/g) | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 |
| Color APHA | 200 | 100 | 200 | 200 | <100 |
| Water % | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 |
| Melting range °C | 33-43 | ----- | 36-50 | ----- | ----- |
| Viscosity (cps at 50°C) | 1000 | 1000 | 10000 | 8000 | 3500 |



| RAVECARB 90:10 | Mw | OH [KOH mg/g] | AV [KOH mg/g] | VISCOSITY [mPa·s (60°C)] | TG [°C] | APPEARANCE |
|----------------|------|---------------|---------------|--------------------------|---------|------------|
| 291 | 1000 | 112 | <0.5 | 1800 | -53.2 | Liquid |
| 292 | 2000 | 56 | <0.5 | 4600 | -45.3 | Liquid |

Ketones

| | | |
|---|---------------------|---|
| Cyclopentanone | Electronics | Photoresist Stripper |
| Pentanone -3 with Diethyl Ketone / Dek | | Photography and Lithography |
| Propiophenone | Pharma | Tolperisone – Vasodilator / Muscle Relaxant |
| Isobutyrophenone-IBP Isopropylphenyl Ketone | Coating - UV curing | Hydroxy Alkyl Phenyl Ketones - Photoinitiator |