

Milliken®

Keyplast™

Colorants for Polycarbonate

Polycarbonate is a highly transparent polymer with a combination of toughness and excellent dimensional stability. Its uses in ballistics, automotive parts, and business machines are virtually unmatched by other plastics. It can be made ignition-resistant, glass-filled, and can be alloyed with ABS, Acrylic, and Polyesters that make it even more versatile.

Milliken has a range of colorants suitable for use in Polycarbonate with the ability to withstand the high processing temperatures often required with this polymer. As polycarbonate often contains UV stabilizers, antioxidants, and other additives, it is strongly recommended colorants be tested thoroughly for suitability in the desired application.



| | NAME | COLORANT NAME | SHADE DESCRIPTION | ADDITIONAL COMMENTS |
|-----------|-----------------------------------|--------------------|---------------------------------|---------------------------|
| ■ BLACKS | MPC Channel Black | Pigment Black 7 | Channel Black | FDA under 21 CFR 178.3297 |
| | Micropulverized MPC Channel Black | Pigment Black 7 | Channel Black | FDA under 21 CFR 178.3297 |
| | Keyplast Black AMX | Proprietary blend | Blue shade black | |
| | Keyplast Black AN | Proprietary blend | Blue shade black | |
| ■ BLUES | Keyplast Blue RR | Solvent Blue 97 | Red shade blue | |
| | Keyplast Blue KR | Solvent Blue 104 | Red shade blue | |
| | Keyplast Blue KG | Pigment Blue 15:3 | Green shade blue | FDA under 21 CFR 178.3297 |
| ■ GREENS | Keyplast Green B | Solvent Green 3 | Blue shade green | |
| | Keyplast Green GH | Solvent Green 28 | Yellow shade green | |
| | Keyplast Phthalo Green | Pigment Green 7 | Blue shade green | FDA under 21 CFR 178.3297 |
| ■ ORANGES | Keyplast Orange MR | Disperse Orange 47 | Strong red shade orange | |
| | Keyplast Orange LFP | Solvent Orange 60 | Yellow shade orange | |
| | Keyplast Orange LFP-HD | Solvent Orange 60 | Yellow shade orange | High density version |
| | Keyplast FL Orange 2G | Solvent Orange 63 | Red Shade Fluorescent Orange | |
| | Keyplast FL Orange YF | Proprietary | Yellow Shade Fluorescent Orange | |
| | Keyplast FL Red GL | Proprietary | Fluorescent Orange Red | |
| ■ REDS | Keyplast Rubine T | Solvent Red 52 | Strong blue shade/magenta | |
| | Keyplast Red AA-TL | Solvent Red 111 | Medium shade red | |
| | Keyplast Red AG | Solvent Red 135 | Medium shade red | |
| | Keyplast Red AG-HD | Solvent Red 135 | Medium shade red | High density version |
| | Keyplast Red A2G | Solvent Red 179 | Medium shade red | |
| | Keyplast Red CB | Solvent Red 195 | Strong blue shade red | |
| | Keyplast Magenta M6B | Solvent red 207 | Blue shade red/magenta | |
| | Keyplast FL Red G | Solvent Red 149 | Blue shade fluorescent red | |
| | Keyplast FL Red 5B | Vat Red 41 | Blue shade fluorescent red | |

| | NAME | COLORANT NAME | SHADE DESCRIPTION | ADDITIONAL COMMENTS |
|--------------------|-----------------------------|------------------------|-------------------------------------|-----------------------------|
| ■ VIOLETS | Keyplast Bordeaux HBL | Disperse Violet 26 | Red shade violet | |
| | Keyplast Violet IRS | Solvent Violet 13 | Blue shade violet | |
| | Keyplast FL Violet RRN | Vat Violet 3 | Strong red shade fluorescent violet | |
| ■ YELLOWS | Keyplast Yellow G | Disperse Yellow 64 | Medium shade yellow | |
| | Keyplast Yellow 6G | Disperse Yellow 201 | Green shade yellow | |
| | Keyplast Yellow 4GL | Disperse Yellow 241 | Medium shade yellow | |
| | Keyplast Yellow 3G | Solvent Yellow 93 | Medium shade yellow | |
| | Keyplast Yellow F | Solvent Yellow 104 | Bright green shade yellow | |
| | Keyplast Yellow AG | Solvent Yellow 114 | Medium shade yellow | |
| | Keyplast Yellow GHS | Solvent Yellow 163 | Red shade yellow | |
| | Keyplast FL Yellow BT | Proprietary | Medium Shade fluorescent yellow | |
| | Keyplast FL Yellow Green 7G | Solvent Green 5 | Green shade fluorescent yellow | |
| | Keyplast FL Yellow 10GN | Solvent Yellow 160:1 | Green shade fluorescent yellow | |
| | Keyplast Yellow KG | Pigment Yellow 180 | Green shade yellow | FDA under 21 CFR 178.3297 |
| OPTICAL BRIGHTENER | Keyfluor White OB-1 | Optical Brightener 184 | Blue glow under UV | FDA to .015% 21 CFR 176.170 |

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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