

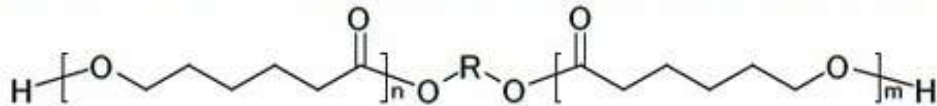
PLACCEL 220

Polycaprolactone diol

<Description>

PLACCEL 220 is general purpose type polycaprolactone diol and its molecular weight is 2000. The properties of polycaprolactone diols for UV resistance and heat resistance is better than polyether diols. In addition, polycaprolactone diols also have better property for hydrolysis resistance than adipate based polyester diols.

PLACCEL 220 can be used as modifying agents for polyurethane, paint resin, and epoxy resin. Especially, polyurethane made from PLACCEL 220 has excellent properties in durability, hydrolysis resistance, oil resistance, heat resistance and low temperature characteristics and can be used for many fields, such as an elastomer, foam, spandex, adhesives, and artificial suede.



<Composition / Information on ingredients>

Composition of Polycaprolactone diol (PLACCEL 220)

| Component Name & Chemical Name | Composition (%) by Weight | Content (%) |
|--------------------------------|---------------------------|-------------|
| Polycaprolactone diol | 2000 | 20.00% |
| Diethylene glycol | 1000 | 10.00% |

Global Regulations

| RoHS | REACH | SVHC | Phthalates | PAHs | Hexachlorocyclopentadiene | Organotin compounds | Organolead compounds | Organotin compounds | Organolead compounds |
|------|-------|------|------------|------|---------------------------|---------------------|----------------------|---------------------|----------------------|
| ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | |

(*) Not applicable to the product.

Typical properties

| Item | Unit | Value | Tensile strength | | Elongation at break | | Modulus | Density |
|------|------|-------|------------------|-----|---------------------|-----|---------|---------|
| | | | MPa | % | MPa | % | | |
| 100 | MPa | 10 | 10 | 100 | 100 | 1.1 | 1.1 | 1.1 |

It should be noted that typical property values shown in the technical data sheet are representative values and are not guaranteed values. Please contact us to obtain detail of product and guaranteed values.

Please refer to our SDS (Safety Data Sheet) for information on the handling of each product.

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