

Product Data Sheet

Chassis-4

Maker name : Dai Nippon Toryo Co., Ltd.

| | |
|---------------|-------------------|
| Type of paint | Lacquer type |
| Name | Hymel clear#MK EL |

| | |
|-----------|--------------------------|
| Substrate | Steel, Aluminum die cast |
|-----------|--------------------------|

| | |
|-------|-------|
| Color | Clear |
|-------|-------|

1. Characteristics

- Solvent type temporarily rust-preventive clear
- Good yellowing resistance
- Good dry to touch

Applicable parts are shown in Table 1.

4. Film performances

| Items | Spec. | Result | Test method |
|-----------------------------------|---|-----------------------|---|
| Adhesiveness | M-3 or better | M-1 | 2mm cross cut |
| Hardness | HB or harder | B | Pencil hardness |
| Bending test | 10cm ϕ pass | Pass | Bending tester |
| Low temperature resistance | No abnormality Adhesiveness over M-3 | No abnormality M-2 | -40°C \times 3 hours |
| Heat resistance cycle performance | No abnormality | No abnormality M-2 | 80°C \times 4.0H -25°C \times 1.5H RT \times 18.5H } 5 ∞ |
| Heat resistance | No abnormality | No abnormality M-1 | 130°C \times 1 hour |
| Oil resistance | No abnormality Adhesiveness Over M-3 | No abnormality M-1 | 100°C \times 8 hours |
| Corrosion resistance | Spot rust (1mm) Under 10 points | No rust | SST \times 96 hours |
| Recoat ability | No abnormality | No abnormality | Evaluation on Engine Enamel |

5. Property

| Items | | Property |
|--------------------|---------------------------------|------------------------------|
| Time of delivery | Viscosity | 25 \pm 3 sec./NK#2/20°C |
| | NV | 27 \pm 3% |
| | Storage stability | Good |
| | Specific gravity | 1.00 \pm 0.03 |
| | Specific gravity of paint films | 1.09 \pm 0.03 |
| During application | Viscosity | 25 \pm 3 sec./NK#2/20°C |
| | NV | 27 \pm 3% |
| | Dilution stability | Good |

2. Composition

| Materials | | Rate of Composition |
|---------------|--------------------------|---------------------|
| Resin varnish | Acryl | 46.2 |
| | Epoxy ester | 9.3 |
| Pigment | — | — |
| Additives | Surface Adjustment agent | 1.0 |
| Solvent | Aromatic type | 43.5 |
| | Ester type | |

3. Paint specification

| | |
|---------------------------|--|
| Thinner | Enamel thinner |
| Diluted amount | In some case, some % with enamel thinner |
| Planned coating viscosity | 25 \pm 3 sec./NK#2/20°C |
| Diluted state | Viscosity measurement |
| Application equipment | Airless, air spray |

7. Controlled substance

| | |
|--------------------------------------|--|
| Fire service Act | Type 4 class 1 (Flash point 28°C) |
| Poisonous and Deleterious substances | N/A |
| Hazardous substances | Xylene, Ethyl benzene Butyl acetate |
| ELV regulation | N/A |

N/A: Not available

Table1. Applicable parts

| |
|----------------|
| • Engine Block |
| • Transmission |

6. Dry to touch property

