



Technical Datasheet: ABS-N50

Product Description:

N50 is an ABS high-speed injection grinder.

Applications:

Electronic and Electrical parts, vacuum cleaner, washing machine cover and Refrigerator door cap & etc.

Typical data:

| Property | Test method | Test condition | Unit | value | ABS-50 Specification |
|----------------------|-------------|-------------------|--------------------|---------|----------------------|
| Izod Impact | D- 256 | 6.4 mm , notched | Kj/m ² | 23 | Min19 |
| Melt flow index | D-1238 | 220°C , 10 kg | gr/10 min | 35 | 29-39 |
| Rock well hardness | D-785 | | R-scale | 109 | 95-115 |
| HDT | D-648 | 1.82 m pa | °C | 85 | Min82 |
| Vicat softening Temp | D-1525 | 5kg/50°C | °C | 95 | Min 93 |
| Tensile strength | D-638 | 23°C , 50 mm/min | Kg/cm ² | 455 | Min 420 |
| Tensile elongation | D-638 | 23°C , 50 mm/min | % | 20 | Min 16 |
| Flexural strength | D-790 | 23°C , 2.8 mm/min | Kg/cm ² | 650 | Min 620 |
| Flexural Modulus | D-790 | 23°C , 2.8 mm/min | Kg/cm ² | 22000 | Min 17000 |
| Specific Gravity | D-792 | 23°C | .. | 1.04 | 1.04 |
| Molding Shrinkage | D-955 | ... | % | 0.4-0.7 | 0.4-0.7 |
| Flammability | U194 | 1/8inch(3.2mm) | ... | HB | HB |