

Classification: General purpose

Characteristic: High Impact Resistance

Characteristic: Automobile parts(radiator grill &etc.),Helmets,Toys,Suitcase,shoe heels,skis,Golf club heads, Sports equipment,suitcases,&etc.

| Property             | Test method (ASTM) | Test condition    | Unit               | Typical value | ABS- 40 Specification |
|----------------------|--------------------|-------------------|--------------------|---------------|-----------------------|
| Izod impact          | D-256              | 6.4 mm , notched  | Kj/m <sup>2</sup>  | 32            | Min26                 |
| Melt flow index      | D-1238             | 220°C , 10 kg     | gr/10 min          | 25            | 18-28                 |
| Rock well hardness   | D-785              | .....             | R-scale            | 98            | 90-110                |
| HDT                  | D-648              | 1.82 m pa         | °c                 | 82            | Min82                 |
| Vicat softening Temp | D-1525             | 5kg/50°C          | °c                 | 92            | Min 93                |
| Tensile strength     | D-638              | 23°C , 50 mm/min  | Kg/cm <sup>2</sup> | 400           | Min 390               |
| Tensile elongation   | D-638              | 23°C , 50 mm/min  | %                  | 30            | Min 25                |
| Flexural strength    | D-790              | 23°C , 2.8 mm/min | Kg/cm <sup>2</sup> | 580           | Min 530               |
| Flexural Modulus     | D-790              | 23°C , 2.8 mm/min | Kg/cm <sup>2</sup> | 18000         | Min15000              |
| Specific Gravity     | D-792              | 23°C              | ..                 | 1.04          | 1.04                  |
| Molding Shrinkage    | D-955              | ...               | %                  | 0.4-0.7       | 0.4-0.7               |
| Flammability         | UI94               | 1/8inch(3.2mm)    | ...                | HB            | HB                    |

Aydin Cure

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