

**PETROPLAST
JALILVAND.CO**



**петрупдоте жалилванд
компания**

Exclusive Representative of selling shazand

Petrochemical Products in uzbekistan

TECHNICAL SPECIFICATION

Acrylonitrile Butadiene Styrene

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| <i>Grade</i> | ABS38 |
| <i>Properties</i> | Heat resistance grade. |
| <i>Application</i> | Mirror housings, Hair dryer shells, Electric oven exterior parts, Automobile parts, etc. |

| Typical Properties | Test Method | Test Condition | Unit | Value | Spec. |
|-----------------------|-------------|-----------------|--------------------|---------|-----------|
| Izod Impact | ASTM D 256 | 6.4mm, Notch | kJ/m ² | 18 | Min 16 |
| MFI | ASTM D 1238 | 220°C, 5kg | gr/10min | 0.5 | 0.35-0.75 |
| MFI | ASTM D 1238 | 220°C, 10kg | gr/10min | 6.5 | 4-10 |
| Rockwell Hardness | ASTM D 785 | - | R Scale | 110 | 100-120 |
| HDT | ASTM D 648 | 1.82MPa | °C | 100 | Min 97 |
| Vicat Softening Temp. | ASTM D 1525 | 5kg/50°C | °C | 115 | Min 110 |
| Tensile Strength | ASTM D 638 | 23°C, 50mm/min | kg/cm ² | 460 | Min 440 |
| Tensile Elongation | ASTM D 638 | 23°C, 50mm/min | % | 23 | Min 16 |
| Flexural Strength | ASTM D 790 | 23°C, 2.8mm/min | kg/cm ² | 670 | Min 650 |
| Flexural Modulus | ASTM D 790 | 23°C, 2.8mm/min | kg/cm ² | 22500 | Min 20000 |
| Specific Gravity | ASTM D 792 | 23°C | - | 1.04 | 1.04 |
| Molding Shrinkage | ASTM D 955 | - | % | 0.4-0.7 | 0.4-0.7 |
| Flamability | UI94 | 1/8inch (3.2mm) | - | HB | HB |

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