

Novodur 752

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur 752 is the next generation of mass/emulsion ABS. It provides a superior mix of high gloss and impact compared to standard ABS. It combines exceptional melt strength and depth of draw performance for the most challenging extrusion/thermoforming applications.

FEATURES

- High gloss surface finish
- Exceptional melt strength
- Excellent balance of impact and stiffness

APPLICATIONS

- Deep draw thermoformed parts
- Power sports applications (ATV, Jetski etc...)
- Consumer durables

| Property, Test Condition | Standard | Unit | Values |
|---|-------------|-------------------------|--------|
| Rheological Properties | | | |
| Melt Volume Rate 220 °C/10 kg | ASTM D 1238 | cm ³ /10 min | 4 |
| Mechanical Properties | | | |
| Izod Notched Impact Strength, 23 °C (73 °F) | ASTM D 256 | ft-lb/in | 805 |
| Izod Notched Impact Strength, -30 °C (-22 °F) | ASTM D 256 | ft-lb/in | 3 |
| Tensile Stress at Yield, 23 °C | ASTM D 638 | psi | 6200 |
| Tensile Stress at Break, 23 °C | ASTM D 638 | psi | 4700 |
| Tensile Strain at Break, 23 °C | ASTM D 638 | % | 35 |
| Tensile Modulus | ASTM D 638 | psi x 10 ⁹ | 320 |
| Thermal Properties | | | |
| DTUL @ 264 psi - Annealed | ASTM D 648 | °F | 210 |
| DTUL @ 66 psi - Annealed | ASTM D 648 | °F | 215 |
| Optical Properties | | | |
| Specular Gloss, 60 ° | ASTM D 523 | | 97 |