

Absolac® 120HR

ABS

Styrenix Performance Materials Limited

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ISO Data | | | |
| Melt flow index, MFI | 21 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ISO Data | | | |
| Rockwell hardness | R 105 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Modulus | 2551 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 46.6 | MPa | ASTM D 638 |
| Flexural Modulus | 2354 | MPa | ASTM D 790 |
| Flexural Strength | 63.8 | MPa | ASTM D 790 |
| Rockwell Hardness | R 105 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 275 | J/m | ASTM D 256 |
| Izod Impact notched, 1/4 in | 235 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Coefficient of Thermal Expansion, MD | 80 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 99 | °C | ASTM D 648 |
| DTUL @ 264 psi | 95 | °C | ASTM D 648 |
| Vicat Temperature | 99 | °C | ASTM D 1525 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1040 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Melt temperature | 220 - 270 | °C | - |
| Mold temperature | 70 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Features

Copolymer

Delivery form

Pellets

Regional Availability

Asia Pacific

Special Characteristics

Heat stabilized or stable to heat