

**RamTough RZ220BK10**

PC

Polyram

| Processing/Physical Characteristics                | Value            | Unit              | Test Standard   |
|--|------------------|-------------------|-----------------|
| <b>ISO Data</b>                                    |                  |                   |                 |
| Melt flow index, MFI                               | <b>18.8</b>      | g/10min           | ISO 1133        |
| Temperature  | <b>300</b>       | °C                | -               |
| Load   | <b>1.2</b>       | kg                | -               |
| <b>Mechanical properties</b>                       |                  |                   |                 |
| <b>ISO Data</b>                                    |                  |                   |                 |
| Tensile Modulus                                    | <b>2450</b>      | MPa               | ISO 527         |
| Tensile Strength                                   | <b>62</b>        | MPa               | ISO 527         |
| Yield strain                                       | <b>6.1</b>       | %                 | ISO 527         |
| Strain at break                                    | <b>65</b>        | %                 | ISO 527         |
| <b>ASTM Data</b>                                   |                  |                   |                 |
| Izod Impact notched, 1/8 in                        | <b>714</b>       | J/m               | ASTM D 256      |
| <b>Thermal properties</b>                          |                  |                   |                 |
| <b>ISO Data</b>                                    |                  |                   |                 |
| Burning behav. at thickness h                      | <b>HB</b>        | class             | IEC 60695-11-10 |
| Thickness tested                                   | <b>3.0</b>       | mm                | -               |
| <b>Other properties</b>                            |                  |                   |                 |
| Density  | <b>1200</b>      | kg/m <sup>3</sup> | ISO 1183        |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                 |
| Pre-drying - Temperature                           | <b>120</b>       | °C                | -               |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h                 | -               |
| Processing humidity                                | <b>≤0.02</b>     | %                 | -               |
| Mold temperature                                   | <b>80 - 120</b>  | °C                | -               |
| Feed temperature                                   | <b>60 - 70</b>   | °C                | -               |
| Zone 1   | <b>230 - 240</b> | °C                | -               |
| Zone 2   | <b>240 - 260</b> | °C                | -               |
| Zone 3   | <b>260 - 270</b> | °C                | -               |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa