

**RamTough PZ506GR20**

PC

Polyram

| Processing/Physical Characteristics  | Value | Unit    | Test Standard   |
|--------------------------------------|-------|---------|-----------------|
| <b>ISO Data</b>                      |       |         |                 |
| Melt flow index, MFI                 | 15    | g/10min | ISO 1133        |
| Temperature                          | 300   | °C      | -               |
| Load                                 | 1.2   | kg      | -               |
| <b>Other Standards<sup>[S]</sup></b> |       |         |                 |
| Molding shrinkage, parallel          | 0.5   | %       | Producer Method |

S: These properties are reported by the producer according standards that are different to our defaults.

| Mechanical properties               | Value | Unit              | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                     |       |                   |               |
| Tensile Modulus                     | 2400  | MPa               | ISO 527       |
| Tensile Strength                    | 62    | MPa               | ISO 527       |
| Yield strain                        | 6     | %                 | ISO 527       |
| Izod notched impact strength, +23°C | 11.5  | kJ/m <sup>2</sup> | ISO 180/1A    |
| <b>ASTM Data</b>                    |       |                   |               |
| Izod Impact notched, 1/8 in         | 740   | J/m               | ASTM D 256    |

| Thermal properties            | Value | Unit  | Test Standard   |
|-------------------------------|-------|-------|-----------------|
| <b>ISO Data</b>               |       |       |                 |
| Burning behav. at thickness h | V-0   | class | IEC 60695-11-10 |
| Thickness tested              | 3.0   | mm    | -               |

| Other properties    | Value | Unit              | Test Standard  |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.35  | %                 | Sim. to ISO 62 |
| Density             | 1200  | kg/m <sup>3</sup> | ISO 1183       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120       | °C   | -             |
| Pre-drying - Time                           | 2 - 4     | h    | -             |
| Processing humidity                         | ≤0.02     | %    | -             |
| Mold temperature                            | 60 - 100  | °C   | -             |
| Feed temperature                            | 60 - 70   | °C   | -             |
| Zone 1                                      | 240 - 250 | °C   | -             |
| Zone 2                                      | 250 - 270 | °C   | -             |
| Zone 3                                      | 280 - 300 | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free, U.V. stabilized or stable to weather

**Certifications**

RoHS compliant

**Regional Availability**

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