

Faraprene C100-85A

TPE

Primex Color, Compounding & Additives

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 20 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Modulus at 100% Elongation | 5.52 | MPa | ASTM D 412 |
| Shore A Hardness | 88 | - | ASTM D 2240 |
| Tear Strength | 65.6 | kN/m | ASTM D 624 |
| Tensile Strength at Break | 15.4 | MPa | ASTM D 412 |
| Elongation at Break | 825 | % | ASTM D 412 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 900 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---------------|------|---------------|
| Melt temperature | 171 - 216 | °C | - |
| Mold temperature | 21.1 - 37.8 | °C | - |
| Zone 1 | 149 - 182 | °C | - |
| Zone 2 | 160 - 199 | °C | - |
| Zone 3 | 166 - 216 | °C | - |
| Nozzle temperature | 166 - 216 | °C | - |
| Screw speed | 50 - 130 | rpm | - |
| Back pressure | 0.103 - 0.345 | MPa | - |

| Processing Recommendation Extrusion | Value | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Melt temperature | 171 - 216 | °C | - |
| Zone 1 | 138 - 182 | °C | - |
| Zone 2 | 160 - 199 | °C | - |
| Zone 3 | 166 - 210 | °C | - |
| Nozzle temperature | 166 - 216 | °C | - |

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Scratch Resistant

Special Characteristics

Transparent

Regional Availability

North America