

# SAXALEN™ PPC370FX21

Polypropylene Copolymer

SAX Polymers

Message:

SAXALEN PPH370FX211 is a unfilled Polypropylene - Copolymer intended for injection moulding. The product has flame retardant properties and suitable to produce thin-walled parts.

| General Information                         |                   |                        |              |
|---------------------------------------------|-------------------|------------------------|--------------|
| Features                                    | Copolymer         |                        |              |
|                                             | Flame Retardant   |                        |              |
| Uses                                        | Thin-walled Parts |                        |              |
| RoHS Compliance                             | RoHS Compliant    |                        |              |
| Processing Method                           | Injection Molding |                        |              |
| Physical                                    | Nominal Value     | Unit                   | Test Method  |
| Density                                     | 0.910             | g/cm <sup>3</sup>      | ISO 1183     |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 35.0              | cm <sup>3</sup> /10min | ISO 1133     |
| Mechanical                                  | Nominal Value     | Unit                   | Test Method  |
| Tensile Modulus                             | 1500              | MPa                    | ISO 527-2/1  |
| Tensile Stress (Break)                      | 30.0              | MPa                    | ISO 527-2/50 |
| Tensile Strain (Break)                      | 6.0               | %                      | ISO 527-2/50 |
| Impact                                      | Nominal Value     | Unit                   | Test Method  |
| Charpy Notched Impact Strength              |                   |                        | ISO 179/1eA  |
| -30°C                                       | 7.0               | kJ/m <sup>2</sup>      |              |
| 23°C                                        | 8.0               | kJ/m <sup>2</sup>      |              |
| Charpy Unnotched Impact Strength            |                   |                        | ISO 179/1eU  |
| -30°C                                       | No Break          |                        |              |
| 23°C                                        | No Break          |                        |              |
| Notched Izod Impact Strength                |                   |                        | ISO 180/1A   |
| -30°C                                       | 8.0               | kJ/m <sup>2</sup>      |              |
| 23°C                                        | 9.0               | kJ/m <sup>2</sup>      |              |
| Unnotched Izod Impact Strength              |                   |                        | ISO 180/1U   |
| -30°C                                       | No Break          |                        |              |
| 23°C                                        | No Break          |                        |              |
| Thermal                                     | Nominal Value     | Unit                   | Test Method  |
| Vicat Softening Temperature                 | 70.0              | °C                     | ISO 306/B120 |
| Flammability                                | Nominal Value     | Test Method            |              |
| Flame Rating (1.60 mm)                      | V-2               | UL 94                  |              |
| Injection                                   | Nominal Value     | Unit                   |              |
| Processing (Melt) Temp                      | 210 to 240        | °C                     |              |

|                  |              |    |
|------------------|--------------|----|
| Mold Temperature | 40.0 to 70.0 | °C |
|------------------|--------------|----|

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