

**TECHNICAL DATA SHEET**

# SKYPEL P137DF

SK Chemicals

TPE

**Processing**

Injection molding, Other extrusion

**Special Characteristics**

Heat stabilized or stable to heat

| Processing/Physical Characteristics         | Value | Unit              | Standard    |
|---|-------|-------------------|-------------|
| Melt flow index, MFI                        | 24    | g/10min           | ASTM D 1238 |
| Temperature                                 | 230   | °C                |             |
| Load  | 2.16  | kg                |             |
| Mold shrinkage, MD                          | 0.013 | mm/mm             | ASTM D 955  |
| Mechanical Properties                       | Value | Unit              | Standard    |
| Tensile strength at break                   | 17.7  | MPa               | ASTM D 638  |
| Elongation at break                         | 400   | %                 | ASTM D 638  |
| Flexural modulus                            | 49    | MPa               | ASTM D 790  |
| Shore D hardness                            | 35    |                   | ASTM D 2240 |
| Tear strength                               | 80    | kN/m              | ASTM D 624  |
| Izod impact notched, 1/4 in                 | N     | J/m               | ASTM D 256  |
| Thermal Properties                          | Value | Unit              | Standard    |
| DTUL @ 66 psi                               | 50    | °C                | ASTM D 648  |
| Melting temperature                         | 200   | °C                | ASTM D 3418 |
| Other Properties                            | Value | Unit              | Standard    |
| Water absorption, 24hr                      | 1.5   | %                 | ASTM D 570  |
| Density                                     | 1140  | kg/m <sup>3</sup> | ASTM D 792  |
| Processing Recommendation Injection Molding | Value | Unit              | Standard    |
| Mold temperature                            | 35    | °C                |             |
| Zone 1                                      | 205   | °C                |             |
| Zone 2                                      | 215   | °C                |             |
| Zone 3                                      | 215   | °C                |             |

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| Processing Recommendation Injection Molding | Value | Unit | Standard |
|---|-------|------|----------|
| Nozzle temperature                          | 220   | °C   |          |

  

| Processing Recommendation Extrusion | Value | Unit | Standard |
|-------------------------------------|-------|------|----------|
| Melt temperature                    | 220   | °C   |          |
| Zone 1                              | 200   | °C   |          |
| Zone 2                              | 215   | °C   |          |
| Zone 3                              | 215   | °C   |          |
| Nozzle temperature                  | 215   | °C   |          |