

**POLIMAXX 2311LCXTA6**

 IRPC Public Company Limited - *Polypropylene Impact Copolymer*
**General Information**
**Product Description**

2311LCXTA4 is a PP Block copolymer with 30% talcum filler for injection molding process, medium melt flow, high flexural modulus and high heat resistance. It is suitable for auto parts and electrical appliances.

**General**

|                        |                              |                           |                                      |
|------------------------|------------------------------|---------------------------|--------------------------------------|
| Material Status        | • Commercial: Active         |                           |                                      |
| Availability           | • Asia Pacific               | • Europe                  | • North America                      |
| Filler / Reinforcement | • Talc, 30% Filler by Weight |                           |                                      |
| Features               | • Block Copolymer            | • High Stiffness          |                                      |
|                        | • High Heat Resistance       | • Medium Flow             |                                      |
| Uses                   | • Appliance Components       | • Automotive Applications | • Electrical/Electronic Applications |
| Processing Method      | • Injection Molding          |                           |                                      |

**Properties <sup>1</sup>**

| Physical   | Nominal Value | Unit                  | Test Method |
|--|---------------|-----------------------|-------------|
| Density / Specific Gravity                             | 1.13          |                       | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 6.0           | g/10 min              | ASTM D1238  |
| Mechanical   | Nominal Value | Unit                  | Test Method |
| Tensile Strength (Yield, 73°F)                         | 4120          | psi                   | ASTM D638   |
| Tensile Elongation (Break, 73°F)                       | 16            | %                     | ASTM D638   |
| Flexural Modulus (73°F)                                | 555000        | psi                   | ASTM D790   |
| Flexural Strength (Yield, 73°F)                        | 6260          | psi                   | ASTM D790   |
| Impact   | Nominal Value | Unit                  | Test Method |
| Notched Izod Impact (Area) (73°F)                      | 2.19          | ft·lb/in <sup>2</sup> | ASTM D256   |
| Hardness   | Nominal Value | Unit                  | Test Method |
| Rockwell Hardness (R-Scale, 73°F)                      | 93            |                       | ASTM D785   |
| Thermal  | Nominal Value | Unit                  | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 289           | °F                    | ASTM D648   |

**Processing Information**

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 176 to 185    | °F   |
| Drying Time            | 2.0 to 3.0    | hr   |
| Processing (Melt) Temp | 374 to 464    | °F   |

