

# Spartech Polycom EP6220

Polypropylene Copolymer

Spartech Polycom

## Message:

Spartech Polycom EP6220 is a polypropylene copolymer (PP Copoly) product, which contains 20% calcium carbonate filler. It can be processed by blow molding, extrusion or thermoforming and is available in North America. The application fields of Spartech Polycom EP6220 include construction applications, automobile industry, containers and sporting goods.

Features include:

Impact resistance

Copolymer

Good stiffness

| General Information    |  |
|------------------------|--|
| Filler / Reinforcement | Calcium carbonate filler, 20% filler by weight   |
| Features               | Rigid, good<br>Copolymer<br>Impact resistance, good<br>Low temperature impact resistance               |
| Uses                   | Architectural application field<br>Application in Automobile Field<br>Food container<br>Sporting goods |
| Forms                  | Particle   |
| Processing Method      | Blow molding<br>Extrusion<br>Thermoforming   |

| Physical                           | Nominal Value | Unit              | Test Method |
|------------------------------------|---------------|-------------------|-------------|
| Specific Gravity                   | 1.05          | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm) | 1.5           | %                 | ASTM D955   |
| Mechanical                         | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield)           | 24.8          | MPa               | ASTM D638   |
| Tensile Elongation                 |               |                   | ASTM D638   |
| Yield                              | 8.0           | %                 | ASTM D638   |
| Fracture                           | > 200         | %                 | ASTM D638   |
| Flexural Modulus                   |               |                   | ASTM D790   |
| Secant                             | 1100          | MPa               | ASTM D790   |
| Tangent                            | 1590          | MPa               | ASTM D790   |
| Impact                             | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)         | 160           | J/m               | ASTM D256   |

|                                   |               |      |             |
|-----------------------------------|---------------|------|-------------|
| Dart Drop Impact                  |               |      | ASTM D5420  |
| -6°C                              | 10.8          | J    | ASTM D5420  |
| 23°C                              | > 33.9        | J    | ASTM D5420  |
| Thermal                           | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load |               |      | ASTM D648   |
| 0.45 MPa, not annealed            | 82.2          | °C   | ASTM D648   |
| 1.8 MPa, not annealed             | 46.1          | °C   | ASTM D648   |
| Optical                           | Nominal Value |      | Test Method |
| Gardner Gloss (60°)               | 65            |      | ASTM D523   |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

