

# Braskem PP CP 496

Polypropylene Impact Copolymer

Braskem

Message:

CP 496 is a heterophasic polypropylene copolymer with a medium melt flow rate and very high impact strength. This resin is suitable for applications requiring excellent toughness.

Applications:

Compounds

Processing:

Injection Moulding

| General Information                       |                        |                   |                      |
|---|------------------------|-------------------|----------------------|
| Features                                  | High Impact Resistance |                   |                      |
|   | Impact Copolymer       |                   |                      |
|   | Medium Flow            |                   |                      |
|   | Ultra High Toughness   |                   |                      |
| Uses                                      | Compounding            |                   |                      |
| Agency Ratings                            | FDA 21 CFR 177.1520    |                   |                      |
| Processing Method                         | Injection Molding      |                   |                      |
| Physical                                  | Nominal Value          | Unit              | Test Method          |
| Specific Gravity                          | 0.895                  | g/cm <sup>3</sup> | ASTM D792, ISO 1183  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.5                    | g/10 min          | ASTM D1238, ISO 1133 |
| Hardness                                  | Nominal Value          | Unit              | Test Method          |
| Rockwell Hardness                         |                        |                   |                      |
| R-Scale, Injection Molded                 | 44                     |                   | ASTM D785            |
| R-Scale                                   | 45                     |                   | ISO 2039-2           |
| Mechanical                                | Nominal Value          | Unit              | Test Method          |
| Flexural Modulus                          |                        |                   |                      |
| 1% Secant : Injection Molded              | 900                    | MPa               | ASTM D790            |
| Injection Molded                          | 750                    | MPa               | ISO 178              |
| Impact                                    | Nominal Value          | Unit              | Test Method          |
| Notched Izod Impact                       |                        |                   |                      |
| -20°C, Injection Molded                   | No Break               |                   | ASTM D256            |
| 23°C, Injection Molded                    | No Break               |                   | ASTM D256            |
| -20°C, Injection Molded                   | 12                     | kJ/m <sup>2</sup> | ISO 180              |
| 23°C, Injection Molded                    | 53                     | kJ/m <sup>2</sup> | ISO 180              |

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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

