

Polypropylene C715-12N HP

Sub-group:

Impact Copolymer

Description:

BRASKEM C715-12NHP Polypropylene Resin is an impact copolymer for various injection moulding applications. BRASKEM C715-12NHP Polypropylene Resin has a good balance of mechanical properties featuring high stiffness and excellent impact strength, also at low temperatures. BRASKEM C715-12NHP Polypropylene Resin is a medium flow impact copolymer exhibiting a higher rigidity impact balance than conventional impact copolymers at similar flow.

Applications:

- Containers, baskets, pails, caps & closures and other consumer applications
- General automotive

Process:

- Injection moulding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	4060 psi	24 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.0 %	8 %	ISO 527-2
Flexural Modulus (Injection Molded)	210000 psi	1450 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
-4°F (-20°C), Injection Molded	2.1 ft·lb/in ²	4.5 kJ/m ²	
32°F (0°C), Injection Molded	2.9 ft·lb/in ²	6 kJ/m ²	
73°F (23°C), Injection Molded	4.8 ft·lb/in ²	10 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B *
66 psi (0.45 MPa), Unannealed	212 °F	100 °C	
Vicat Softening Temperature	306 °F	152 °C	ISO 306/A *

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

* Injection Molded

