

Braskem PE CP 180R

Polypropylene Impact Copolymer

Braskem

Message:

CP 180R is heterophasic copolymer developed for the injection molding with excellent balance of processability, stiffness and impact resistance.

Applications:

Injection of large volume and thin walled design parts with excellent balance between stiffness and impact. Compounds.

Processing:

Injection Molding.

General Information			
Features	Rigid, good		
	Copolymer		
	Impact resistance, good		
	Workability, good		
Uses	Thin wall parts		
	Composite		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (Injection Molded)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, injection molding	30.0	MPa	ASTM D638
Fracture, injection molding	30.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ASTM D6110
-20°C, injection molding	25.0	J/m	ASTM D6110
23°C, injection molding	45.0	J/m	ASTM D6110
Notched Izod Impact			ASTM D256
-20°C, injection molding	20	J/m	ASTM D256
23°C, injection molding	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	125	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
NOTE			
1.	压力1 (10N)		

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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



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