

# Braskem PP CP 743

Polypropylene Impact Copolymer

Braskem

Message:

CP 743 is a low melt flow rate heterophasic copolymer. It has broad molecular weight distribution and general purpose additive package. CP 743 presents high melt strength, good processability and excellent impact strength.

Applications:

Thermoformed packages with high impact strength; sheet extrusion; Compounds

Processing:

Thermoforming

Extrusion

General Information			
Additive	Unspecified Additive		
Features	General Purpose		
	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
	Impact Copolymer		
	Low Flow		
	Wide Molecular Weight Distribution		
Uses	Compounding		
	General Purpose		
	Packaging		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.895	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	57		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	15	%	ASTM D638

Flexural Modulus - 1% Secant (Injection Molded)	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	40	J/m	
23°C, Injection Molded	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	85.0	°C	
1.8 MPa, Unannealed, Injection Molded	50.0	°C	
Vicat Softening Temperature	146	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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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

