

Braskem PP KM 6150HC

Polypropylene Homopolymer

Braskem

Message:

KM 6150HC is a medium fluidity homopolymer that has superior mechanical properties compared with conventional homopolymers, excellent stiffness and properties balance.

Applications:
Chairs and garden furniture with excellent balance of mechanical properties.

Processing:
Injection Molding

General Information			
Features	Rigid, good		
	Homopolymer		
	Medium liquidity		
Uses	Furniture		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	39.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	122	°C	ASTM D648

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