

Braskem PP KM 6150

Polypropylene Homopolymer

Braskem

Message:

KM 6150 is a low fluidity homopolymer with good mechanical properties, and excellent stiffness.

Applications:

Injection Molding of furniture.

Processing:

Injection Molding

General Information			
Features	Good Stiffness		
	Homopolymer		
	Low Flow		
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, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	107		ASTM D785
R-Scale	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	38.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1600	MPa	ASTM D790
Injection Molded	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	30	J/m	ASTM D256
23°C, Injection Molded	3.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	107	°C	ASTM D648
0.45 MPa, Unannealed	107	°C	ISO 75-2/B

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