

Polypropylene KM 6150HC

Sub-group:

Homopolymer

Description:

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

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	4.0

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1700
Tensile Strength at Yield	D 638	MPa	39
Tensile Elongation at Yield	D 638	%	7
Rockwell Hardness (R Scale)	D 785	-	110
Notched Izod Impact Strength at 23°C	D 256	J/m	40
Deflection Temperature under Load at 0.455 MPa	D 648	°C	122

a) Injection molded specimen according to ASTM D 4101.

