

Spartech Polycom DP5120

Polypropylene Homopolymer

Spartech Polycom

Message:

Spartech Polycom DP5120 is a polypropylene homopolymer (PP Homopoly) product, which contains 20% talc filler. It can be processed by blow molding or extrusion and is available in North America. Typical application areas are: containers.

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Uses	Food container
Forms	Particle
Processing Method	Blow molding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.4	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.2	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	30	%	ASTM D638
Flexural Modulus - Tangent	2620	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Dart Drop Impact			ASTM D3029
-6°C	1.36	J	ASTM D3029
23°C	2.03	J	ASTM D3029

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	65.6	°C	ASTM D648

Optical	Nominal Value	Test Method
Gardner Gloss (60°)	47	ASTM D523

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