

PRIMALENE WPP141

Polypropylene Homopolymer
Southern Polymer, Inc.

Message:

A 12 melt flow homopolymer polypropylene
Applications:
Sports and leisure toys
Injection molding
Extrusion compounding
Features:
Good stiffness
Good colorability
FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable		
	Good Colorability		
	Good Stiffness		
	Homopolymer		
Uses	Sporting Goods		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Compounding Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	89		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant ²	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
NOTE			

1.	51 mm/min
2.	1.3 mm/min

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