

CERTENE™ PHI-18

Polypropylene Homopolymer
Muehlstein

Message:

PHI-18 is a certified prime grade homopolymer Polypropylene designed for fiber spinning extrusion applications that require resistance to gas fading. PHI-18 features high flow processability with good tensile strength. PHI-18 complies with FDA regulation 21CFR 177.1520 for all food contact up to a temperature of 100°C and most international regulations concerning the use of Polypropylene in contact with food.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good Processability		
	High Flow		
	High Tensile Strength		
	Homopolymer		
Uses	Fibers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638

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