

# CERTENE™ PHP-1

Polypropylene Homopolymer  
Muehlstein

Message:

PHP-1 is a certified prime grade Polypropylene specially designed for PROFILE EXTRUSION. PHP-1 combines excellent processability, enhanced Long-Term Thermal Stability. PHP-1 applications include PROFILES AND FLAT and CORRUGATED SHEET. PHP-1 complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food articles.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Thermal Stability		
Uses	Corrugated Sheet		
	Profiles		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness <sup>1</sup> (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus - 1% Secant	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>2</sup>	69	J/m	ASTM D256A
NOTE			
1.	Test made on injection molded Type 1 tension test specimen according to ASTM D 2146.		
2.	Test made on injection molded Type 1 tension test specimen according to ASTM D 2146.		

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