

POLYPROPYLENE

P5M2Z-012

DESCRIPTION: Random Copolymer

FEATURES: Good contact clarity. Produced without animal derived components or phthalates.

APPLICATIONS: Extrusion: film and blow molding

PROPERTY	NOMINAL VALUE	SI UNIT	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	1.9	g/10 min.			D 1238
Density	0.894	g/cm ³			D 1505
Tensile					
Yield Strength	28	MPa	4100	psi	D 638
Yield Elongation	12	%	12	%	
Flexural Modulus					
1% Secant	820	MPa	119	kpsi	D 790
Tangent	880		127		
Deflection Temperature @ 66 psi (.455 MPa)	76	°C	169	°F	D 648
Rockwell Hardness			84	R	D 785
Notched Izod @ 23 °C	70	J/m	1.3	ft-lb/in	D 256
Gardner Impact @ 23 °C	28	J	250	in-lb	D 5420

May-14



REGULATORY

FDA - 21 CFR - 177.1520 (c) 3.1a

USP Class VI certified

Drug Master File listed

Notice regarding medical applications:

This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended or tested. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application. Not intended for use in the manufacture of any form of implanted medical or surgical device.

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