



General
Manufacturer/Supplier
Generic Material
Additive
Primary Features

Profax PD626 "-6"
LyondellBasell
PP homopolymer

* good color stability
* radiation (gamma)
resistant
* radiation sterilizable

Flint Hills P5M6K-080 "6005"
Flint Hills Resources
PP random copolymer
Clarifier

* high clarity

* no animal derived components
* radiation sterilizable

Agency ratings

* DMF unspecified rating
* FDA 21 CFR 177.1520(c) 3.1a
* ISO 10993 Part 5
* USP Class VI

ASTM & ISO Properties¹

		<u>Unit</u>	<u>Test Method</u>
Physical			
Specific Gravity	0.902		ASTM D792B
Density		0.9 g/cm ³	ASTM D1505
Melt Mass Flow Rate (MFR)			ASTM D1238
230° C/2.16 kg	12	27 g/10 min	
Mechanical			
Tensile Strength			ASTM D638
Yield		4500	
Yield ²	4500		
Tensile Elongation (Yield)	13	14	ASTM D638
Flexural Modules			
1% Secant		140000 psi	ASTM D790
1% Secant ³	160000	psi	ASTM D790A
Tangent		145000 psi	ASTM D790
Impact			
Notched Izod Impact			
73° F		1.4 ft lb/in	ASTM D256
73° F	0.7	ft lb/in	ASTM D256A
Gardner Impact (73° F)		239 in lb	ASTM D5420

SPECIALISTS IN FLUID CONNECTIONS



Hardness			
Rockwell Hardness (R-Scale)	86	85	ASTM D785
Thermal			
Deflection Temperature Under Load 66 psi, Unannealed	181	178 °F	ASTM D648
Optical			
Haze (50.0 ml)		13 %	ASTM D1003

- (1) Typical properties, not to be construed as specifications
- (2) 2.0 in/min
- (3) .039 in/min

NOTE: The data above has been provided to Value Plastics. Value Plastics, makes no representation as to its accuracy. Customers are encouraged to analyze all of the material data for the above referenced materials, as provided from the resin suppliers on the VP website, and further on the websites of the resin suppliers.