U320FW

Ultra High Molecular Weight Polyethylene

Description:

U320FW is an Ultra High Molecular Weight Polyethylene in powder form with an average molecular weight about 3.7 Million g/mol and suitable for general filter application.

Physical Properties:	Method	Unit	Value*
Density	ISO 1183	g/cm^3	0.93
Bulk density	ISO 60	g/cm^3	0.40
Intrinsic viscosity [η]	ISO 1628 part 3	ml/g	1750
Average molecular weight (cal.)	IRPC Method	g/mol	3.7×10^6
Average particle size, X50	Laser Scattering	µm	315
Particle size distribution	> 500 Micron	%	Max. 15
	< 125 Micron	%	Max. 10
Thermal Properties:	**Method**	**Unit**	**Value***
Melting temperature (10°C/min)	ASTM D3418	°C	130 – 135
Vicat softening point (1Kg)	ISO 306	°C	128

*Preliminary values are subjected to change in the interest of product development without notification.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

Product Data sheet

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