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*Industrial, Aviation,
 Medical Applications*

Data Sheet - RMB 283 Rotational Molding Grade PVDF

Physical Properties	Specification	Value	Notes
Specific Gravity	ASTM D792	1.78	
Melt Flow Rate	ASTM D1238	>8 g/10 min.	230°C, 2.16 kg
Mechanical Properties			
Tensile at Yield	ASTM D638	3600 PSI	
Tensile at Break	ASTM D638	3600 PSI	
Elongation at Break	ASTM D638	20%	
Flexural Modulus	ASTM D790	145 KSI	
Izod Impact (notched)	ASTM D256	2.3 FT-LBS/IN	0.15" thick
Izod Impact (unnotched)	ASTM D256	No Break	0.15" thick
Thermal Properties			
Melt Point	ASTM D3418	160°C	DSC Peak
Glass Transition	ASTM D5023	-37°C	Tan Δ Peak
Coefficient of Linear Thermal Expansion			
0°C - 40°C	ASTM E831	1.49E-04	mm/mm/°C
100°C - 140°C	ASTM E831	3.64E-04	mm/mm/°C

Properties data based on rotationally molded samples in the as molded condition.

Characteristics: RMB 283 is a PVDF co-polymer, specifically formulated for rotational molding applications such as fluid tanks. Excellent physical properties, low moisture absorption and excellent chemical resistance combined with ease of processing make RMB 283 a cost effective alternative. Conforms to FDA No. 21 CFR 177.2510

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