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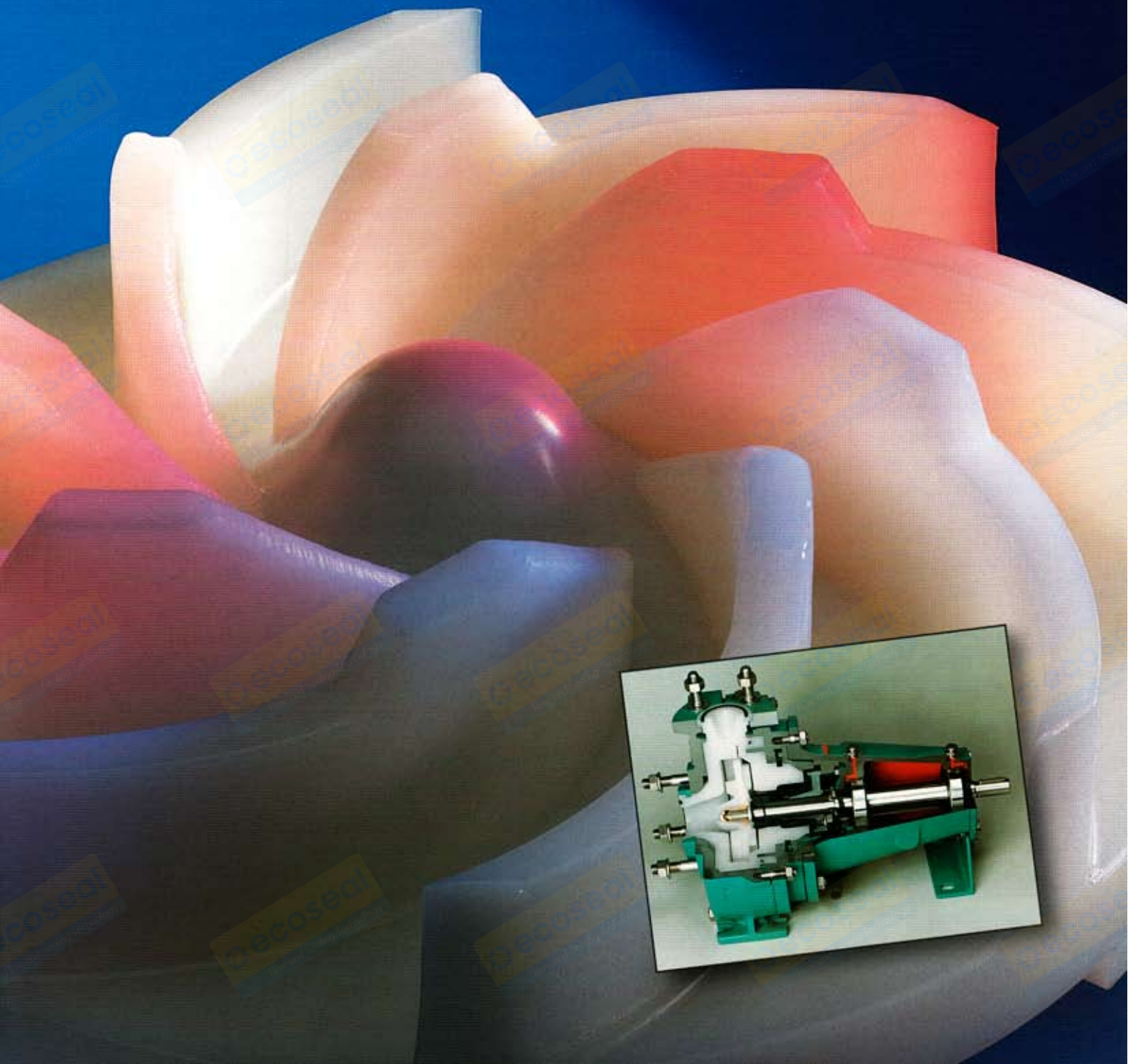
Moulded Parts of PVDF



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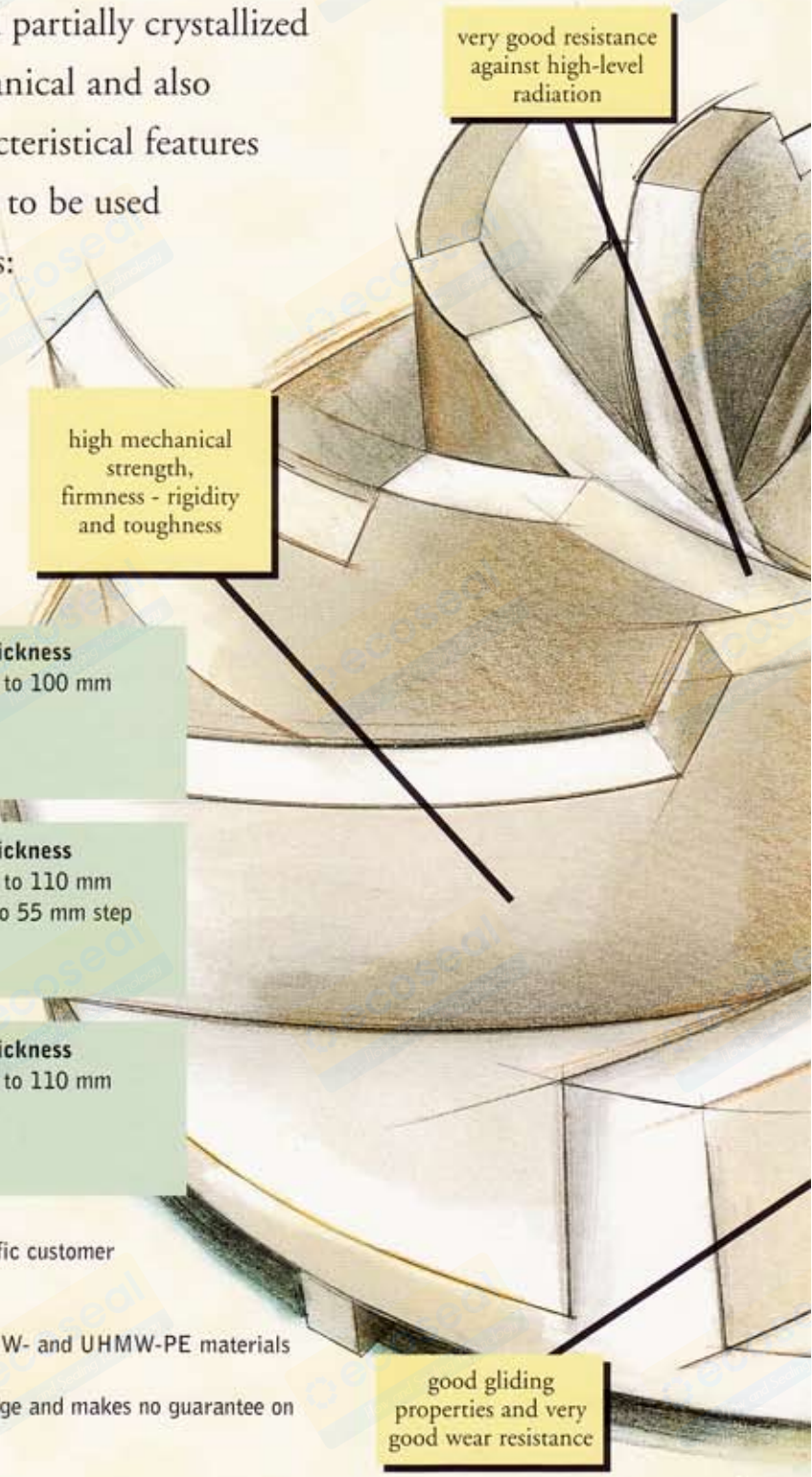
Moulded and machined for highest demands / r

Okulen PVDF is a non-strengthened partially crystallized fluoride polymer which has good mechanical and also excellent chemical properties. The characteristical features of Okulen PVDF allow for this material to be used in a various range of applications such as: petrochemical, chemical, metallurgical, pharmaceutical, food (food approved) and pump industry.



Delivery program

PVDF discs	**Diameter** 296 to 622 mm	**Thickness** 20 to 100 mm
PVDF discs with extended step	**Diameter** 258 to 395 mm 165 mm step	**Thickness** 20 to 110 mm 5 to 55 mm step
PVDF rings	**Diameter** 258 to 400 mm (inside diameter 165 mm)	**Thickness** 20 to 110 mm

- Customer designed moulded parts and special sizes for specific customer applications are available upon request
- Alternatively, these parts are also available made of our HMW- and UHMW-PE materials
- All information mentioned above is based on todays knowledge and makes no guarantee on mechanical properties stated. No liability can be accepted

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parts made of PVDF equirements

Properties of PVDF

Properties	Test method	Unit	Value
Mech. Properties	**23° C**		
Density	DIN 53479	g/cm³	1,78
Tensile stress at yield	DIN 53455	N/mm²	50
Tensile strength at break	DIN 53455	N/mm²	40
Notched impact strength	DIN 53453	kJ/m²	20
E-modulus (tensile test)	DIN 53457	N/mm²	1600
E-modulus (bending test)	DIN 53457	N/mm²	2000
Ball indentation hardness	DIN 53456	N/mm²	80
Shore-hardness	DIN 53505	D	78
Therm. Properties			
Crystallite melting point	DSC	°C	170
Thermal conductivity	DIN 52612	W/k*m	0,15
Vicat-softening temperature	DIN 53460 Verf. B50	°C (K)	132
Thermal coefficient of linear expansion	ASTM D696	1/K	$132*10^{6}$
Electr. Properties	**23° C**		
Surface resistivity	DIN 53482	Ω	> 1013
Volume resistivity	DIN 53482	Ω*cm	> 1015
Dielectric strength (thickness of specimen 0,1 mm)	DIN 53481	kV/mm	100
Flammability			
Gas burner test	UL 94		94 V-0

The above data are based on the present knowledge and are given without quarantee. Existing laws and conditions are to be respected by the user of our products.

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