



SEMI-FINISHED, MOLDED, TURNED & MILLED PARTS.

DESCRIPTION

Our focus in plastics is on processing PTFE material for structural components, like plug inserts and accessories, V-collars, seat rings, bellows, bearing shells, cover gaskets, pig components, and O-rings. For the majority of these parts, we use the high quality materials supplied by Dyneon®. The most popular materials include the modified compounds 3M™ Dyneon™ TFM™ 1600, 1700, 4105, and 3M™ Dyneon™ TF 1602; other materials with fillers made of conductive pigment, graphite, or bronze are also available as standard options. The manufacturing and processing of plastic molded parts to specifications from drafts, drawings, or patterns is done on state of the art CNC machines [e.g. milled, water jet shape cutting, CNC/NC turned, seamless processing up to Ø 1,600 mm]. The semi-finished parts are also manufactured in our own in-house production to ensure flexibility and value even in small production quantities.

PRODUCT RANGE

Semi-Finished Parts

Rods and pipes [pressed or extruded], blanks [molded], boards [pressed, peeled], foils [peeled], frames and circular blanks [pressed]. Other semi-finished parts upon request.

Turned & Milled Parts

Plug inserts and accessories, bearing shells, complete seal sets, pig parts, envelope molds, spring rings, ball seats, seat rings [low deadleg], bellows, protective pig ring, V-collars, couplings, spacers, bushings and sleeves, O-rings, non-metallic gaskets, molded seals. Other finished parts upon request.

STANDARD MATERIALS

NAME	BRAND NAME	NUMBER
PTFE virginal, pure white		WS 7010
PTFE virginal, pure white	3M™ Dyneon™ TF 1620	WS 7011
PTFE, 25 % glass fiber	3M™ Dyneon™ TF 4105	WS 7015
PTFE, 40 % glass fiber	3M™ Dyneon™ TF 4108	WS 7018
PTFE, 25 % eCoal	3M™ Dyneon™ TF 4215	WS 7025
PTFE modified	3M™ Dyneon™ TFM™ 1600	WS 7110
PTFE modified, 25 % glass fiber	3M™ Dyneon™ TFM™ 4105	WS 7115
PTFE modified, 2% conductive pigment [FDA]	3M™ Dyneon™ TFM™ 6221	WS 7221

Other 3M™ Dyneon™ materials and compounds upon request

CUSTOM MATERIALS

NAME	TRADEMARK	NUMBER
PTFE, 2% conductive pigment	3M™ Dyneon™ TF 4220	WS 7020
PTFE, 10% conductive pigment		WS 7034
PTFE, 20% PPS ₀ 2		WS 7035
PTFE blue, 30% glass fiber	Compound VX-1	WS 7013
PTFE, 50% stainless steel		WS 7040
PTFE, 60% bronze	3M™ Dyneon™ TF 4406	WS 7045
PTFE, 15% graphite	3M™ Dyneon™ TF 4303	WS 7030

Other 3M™ Dyneon™ materials and custom compounds upon request

CUSTOM COMPOUNDS [Semi-finished and finished parts]

NAME	NUMBER
PVDF	WS 7592
PCTFE	WS 7555
PE [polyethylene]	WS 7564
PE-UHMW	WS 7560
PEEK	WS 7565
POM [polyoxymethylene]	WS 7570
PERTINAX	WS 7573
PA [polyamid]	WS 7575
PA 6	WS 7577
PA 6, 30% glass fiber	WS 7578
PDM	WS 7576
PMMA [acrylic glass]	WS 7580
PVC [polyvinylchloride]	WS 7506
PTFE unsintered	WS 7739
PTFE pre-compressed	WS 7742
PTFE Soft	WS 7745

Additional materials upon request