

Technical Data Sheet of FEP

Items \ Grade Index	F4600		F4601	F4602	F4603		F4608			
	F4600A	F4600B			F4603A	F4603B	F4608A	F4608B	F4608C	F4608D
Appearance	Semi-transparent pellets				Milk white or yellowish emulsion		Semi-transparent pellets			
M.F.I (g/10min)	4.1~8	8.1~12	2.1~4	0.8~2.0	0.8~5.0	5.1~10	16.1~20	20.1~24	>24	12.1~16
Tensile Strength MPa ≥	21		25	27	Solid %	50±2	≥20	≥18	≥16	≥20
Elongation at break (%)	300		300	320	Surfactant (% wt)	6±1	≥300	270	250	≥300
S.S.G	2.14~2.17						2.14~2.17			
Melting Point (°C)	265±10				PH	8±1	265±10			
Dielectric constant (10 ⁶ HZ)≤	2.15				-----	-----	2.15			
Dielectric loss tangent (10 ⁶ HZ) ≤	7.0×10 ⁻⁴				-----	-----	7.0×10 ⁻⁴			
Volatile (%) ≤	0.1		0.1	0.1	-----	-----	0.07			
Thermal stress-crack resistance	-----		No crack	No crack	-----	-----	----			
Recommend application	Wire and cable, pipe, film, FEP screen and FEP component		Cable, pipe with thin wall thickness	Heat shrinkage tube, lining of pump/Valve/pipe, Cable	Coating, impregnation of fiber, metal; melted additive of printed-wiring board and so on		Wire and cable for aerospace, aviation, telecommunication, high building, electricity.			