

Specification and Technical data

Alfalon® PFA-M

Material	Copolymer of tetrafluoroethylene and perfluoromethylvinylether
General Qualities	Clean natural pellet for high speed wire and cable applications, mould release, cable coating, tubing, tank linings, tower packings. Etc. Also available in powder form for rotomoulding and spray coating. Similar to standard FEP but with higher Temperature resistance. Chemically inert except to molten alkali metals, high temp and press fluorine and CF ₄
Packaging Storage and Transport	Double layer PE bags inside rigid boxes, 25kg net/box Labels : quality certificate, type, grade, lot, weight of contents, pack date. Store in clean, dry warehouse. Avoid excessive heat, cold, moisture, and rough handling.

Material Properties	Testing according to ASTM		
Tensile Strength	D638	>21 up to 32	MPa (depends on MFR)
Elongation at Break	D638	>300	%
Bulk Density	D1895	≈1.2	g/l
Material Density	D792	2.15+/- 0.03	g/cc
Hardness	D2240	55-60	Shore D
Melting Point	D3418	270-290	°C
MFR	D1238	See separate sheet for availability	g/10min
Volume Resistance	D257	> 1x10 ¹⁷	Ωcm
Dielectric Constant	D150	2.0	MHz
Dielectric Strength	D150	35-40	V/μm

Safety	If heating above 250 °C, small amounts of decomposition products can fume to give HF gas. Avoid inhalation of these fumes. Processing equipment and surrounding area should be adequately ventilated. Smoking must be avoided. Avoid inhalation or eye contact with airborne powder. If this happens, irrigate immediately and seek medical advice.
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