

3M™ Dyneon™ PTFE Compound TF 2274

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

PTFE - fine powder compound for tubing applications (17 % coke)

Features

Special product type for heat conducting tubes, e.g. dip pipes

High molecular weight PTFE powder produced by emulsion polymerization

Incorporated filler is a hard coke

Dyneon™ TF 2274 PTFE is the recommended grade for manufacture of high quality tubing up to RR of about 300:1

Processing by standard paste extrusion methods

| General Information | |
|------------------------|---------------------------|
| Filler / Reinforcement | Coke,17% Filler by Weight |
| Features | High Molecular Weight |
| Uses | Tubing |
| Forms | Powder |
| Processing Method | Calendering |
| | Ram Extrusion |
| | Sintering |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-----------------|
| Density | 2.13 | g/cm ³ | ISO 12086 |
| Apparent Density | 0.50 | g/cm ³ | ISO 60 |
| Water Content | < 0.10 | % | Internal Method |
| Extrusion Pressure - Reduction Ratio 100 | 12.0 | MPa | ASTM D4895 |

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