Compounding Solutions™

PURO™

Radiopaque Compounds

Description

PURO™ uses biocompatible TPU with a 20% barium sulfate loading for radiopacity. COPE RO provides superior filler dispersion making this product ideal for thin wall extrusions.

Form Pellets

Appearance White

Markets Medical, Healthcare

Processing Method Extrusion, Injection Molding

Typical Material Properties

PURO™ Product Line								
Property	**PURO80A20**	**PURO80AE20**	**PURO90A20**	**PURO90AE20**	**PURO55D20**	**PURO55DE20**	**PURO65D20**	**PURO75D20**
Durometer - Shore (ASTM D2240)	90A	90A	95A	93A	60D	60D	70D	82D
Density - g/cc (ASTM D6226)	1.30	1.33	1.30	1.33	1.35	1.37	1.39	1.39
Ultimate Tensile Strength - MPa (ASTM D638)	> 13.5	> 15.0	33.0	25.0	> 36.0	31.0	44.0	56.0
Ultimate Elongation - % (ASTM D638)	> 520	> 520	490	480	> 520	470	470	20
Flexural Modulus - MPa (ASTM D790)	34.0	39.0	72.0	67.0	185	165	400	2150
Flexural Strength at 5% - MPa (ASTM D790)	1.8	1.9	3.6	2.8	7.2	6.2	14.0	78.0