



## Purell 2410T

### Polyethylene, Low Density

#### Product Description

Purell 2410T is low-density polyethylene grade with a good combination of flowability and softness. The grade is used by our customers for all types of injection moulded applications in the healthcare market.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	Fast Cycle (Production) , Low Density, Ethylene Oxide Sterilisation, High Flow
Typical Customer Applications	Caps & Closures (Healthcare), Healthcare Applications

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (23°C)	ISO 1183	0.924	g/cm <sup>3</sup>
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	36	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	11	MPa
ESCR (ASTM-Fo)	ASTM D 1693/IEC 538	0.5	h
Tensile modulus	ISO 527	280	MPa
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	49	
Ball indentation hardness (H 49/30)	ISO 2039-1	18	MPa
<b>Thermal</b>			
Melting Temperature	ISO 3146	112	°C
Vicat softening temperature A/50	ISO 306	89	°C

#### Additional Properties

Recommended processing temperatures: 190°C to 230°C.

#### Notes

Typical properties; not to be construed as specifications.