TechResin® 2095

Description:

TechResin® 2095 is a High Density Polyethylene for Injection Molding Segment. By having good fluidity provides excellent processability, which promotes high productvity combined with good stiffness and hardness. The narrow molecular weight distribution gives low tendency to deformation.

This resin complies with ANSI/NSF Standard 61 and ANSI/NSF Standard 51.

The benefit of having both certifications makes this resin ideal for fittings that require direct contact with food and/or potable water.

Applications:

Medium to thin wall items, toys, large caps, household containers, caps

Processes:

Injection Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D1238	g/10 min	20.00
Density	ASTM D792	g/cm³	0.955

Typical Properties[1]

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D638	MPa	27
Tensile Strength at Break	ASTM D638	MPa	14
Elasticity Modulus (Secant 1%)	ASTM D 638	MPa	1278
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1273
Izod Impact Strength[3]	ASTM D 256/A	J/m	32
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	70
Vicat Softening Point (10 N)	ASTM D1525	°C	125
ESCR (100% Igepal)[2]	ASTM D 1693	h	3

[1] Test specimens from compression molded plaque according to ASTM D4703.

[2] Condition B.

[3] Test temperature at 23°C.