



SCLAIR® 2710

NOVA Chemicals - High Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antioxidant
Features	• Antioxidant • Food Contact Acceptable • Good Organoleptic Properties • Good Processability • High Density • High ESCR (Stress Crack Resist.) • Warp Resistant
Uses	• Caps • Closures • Containers • Household Goods • Toys
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.953		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	17	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, F50	< 10.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3340	psi	ASTM D638
Tensile Elongation ² (Break)	530	%	ASTM D638
Flexural Modulus	145000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	248	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min