



SCLAIR® 2714

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 Processability	• Good Stiffness • Good Toughness • High Density	• Low Temperature Impact Resistance
Uses	• Food Containers	• Lids	
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a		
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)	51	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3340	psi	ASTM D638
Tensile Elongation ² (Break)	15	%	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
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	247	°F	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Snake Flow	14	in	Internal Method

Notes

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

² 2.0 in/min