

verdant

PCRPS0651
Post-Consumer Recycle Reprocessed HIPS

Melt Flow: 6.5

Unpigmented

VERDANT PCRPS0651 is a 100% post-consumer recycled, unpigmented, reprocessed high impact polystyrene (HIPS). This material is compliant with US FDA Regulation 21 CFR Part 177.1640 clauses (c) and (d), and is Global Recycled Standard (GRS) certified.

Test	Test Method	Units	Value
Melt Flow Rate, (200 °C/5.0kg)	6.5 ± 2	g/10 min	ASTM D-1238
Density	1.05 ± 0.02	g/cm ³	ASTM D-792
Tensile Strength	4,300 ± 700 (29.5 ± 5)	psi (MPa)	ASTM D-638
Max Elongation	30 ± 10	%	ASTM D-638
Flexural Strength	8,000 ± 1,500 (55 ± 10)	psi (MPa)	ASTM D-790
Flexural Modulus	363,000 ± 43,500 (2,500 ± 300)	psi (MPa)	ASTM D-790
Izod Impact	>0.84 (>45)	ft-lb/in (J/m)	ASTM D-256
Moisture, 105 °C, 30 min	≤0.35	%	Supplier Method
Impurities	Ø >0.5mm: no more than 4 impurities Ø =0.12-0.5mm: no more than 10 impurities Ø <0.12mm:pass	-	-

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