

Product Texts

PET bottle recycling grade.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.012	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3800	MPa	ASTM D 638
Tensile Strength	65	MPa	ASTM D 638
Flexural Modulus	3700	MPa	ASTM D 790
Flexural Strength	105	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/8 in	45	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 66 psi	205	°C	ASTM D 648

Other properties

	Value	Unit	Test Standard
Water Absorption, 24hr	0.05	%	ASTM D 570
Density	1350	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Mold temperature	120	°C	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

High impact or impact modified

Certifications

Recycled Resin Content

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific