

DuraPET™ 0624GF20 PCR ST

Product Description

DuraPET™ is a modified PET material that demonstrates extreme high impact and wear characteristics due to glass fibers. It is a highly durable material that can withstand outdoor environmental conditions. It exhibits ductile failure as low as - 20°C.

General

Material Status: Commercial: Active
Availability: Globally
Features: Low Crystallinity/Extreme High Toughness
Uses: Multiple
Processing Method: Injection Molding, Extrusion, Thermoforming, Blown Film

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cc	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10,540	psi	ASTM D638
Tensile Modulus	810,500	psi	ASTM D638
Flexural Modulus	802,300	psi	ASTM D790
Elongation @ Break	14.3	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Gardner Impact (23°C)	80	in-lb	ASTM D5420
Rheological	Nominal Value	Unit	Test Method
Melt Flow Rate (285°C, 2.16 Kg)	7	g/10 min	ASTM D1238

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