



DuraPET 0624GF20 PCR

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 - 40°C and can withstand higher temperatures above 180°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

<u>Physical</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Density	1.43	g/cc	ISO 1183
<u>Mechanical</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Tensile Strength	10,540	psi	ASTM D638
Flexural Modulus	802,300	psi	ASTM D790
Elongation @ Break	14.3	%	ASTM D638
DTUL @ 66 psi	171	°F	ASTM D638
<u>Impact</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Gardner Impact (23°C)	40	in-lb	ASTM D5420
Notched Izod	2.23	ft-lb/in	ASTM D256
<u>Rheological</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Melt Flow Rate (285°C, 2.16 Kg)	18	g/10 min	ASTM D1238

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