



DuraPET™ 0624FR PCR ST

Product Description

DuraPET™ 0624 FR is a flame retardant modified PET material that demonstrates extreme high impact, wear characteristics, and excellent chemical resistance. It is a highly durable material that can withstand outdoor environmental conditions. It exhibits ductile failure as low as - 20°C.

General

Material Status:	<u>PRELIMINARY</u>
Availability:	Globally
UL Yellow Card:	In process
Features:	Low Crystallinity/Extreme High Toughness
Uses:	Housings, profile, sheet applications, medical equipment, building, construction, and transportation
Processing Method:	Injection Molding, Extrusion

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cc	ISO 1183
Molding Shrinkage	0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	310,000	psi	ASTM D638
Tensile Strength	7,300	psi	ASTM D638
Flexural Modulus	320,000	psi	ASTM D790
Elongation @ Break	120	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Gardner Impact (23°C)	>500	in-lb	ASTM D5420
Gardner Impact (- 20°C)	>290	in-lb	ASTM D5420

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon conditions that purchasers shall make their own test to determine suitability of such products for their particular purposes and uses, and purchasers assume all risks and liability for the results of use of the products, including use in accordance with the seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the product described.



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Rheological	Nominal Value	Unit	Test Method
Melt Flow Rate (285°C, 2.16 Kg)	10	g/10 min	ASTM D1238
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.8 mm	V0		
1.5 mm	V0		
3.0 mm	V0		

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