



Technical Data Sheet

HDPE 5606

General

Features	HDPE, Post Consumer, Reprocessed
Appearance	Black Pellets
Processes	Extrusion, Injection Molding

*TYPICAL COMPOUND PROPERTIES	UNIT	TEST METHOD	CONDITION
Physical			
Melt Flow Rate	3.5	g/10 min.	ASTM D1238 (Method A) 190°/2.16 kg (Condition F)
	3.5	g/10 min.	ISO 1133-1 190°C/2.16 kg
Filler Content	<1	%	ASTM D5630 (Method B) 800° C
	<1	%	ISO 3451-1 (Method A) 800° C
Specific Gravity	0.94		ASTM D792 (Method A) Water Temp 23°C +/- 2°
	0.94		ISO 1183-1 (Method A) Water Temp 23°C +/- 2°

Mechanical

Tensile Strength @ Yield	2,900	psi	ASTM D638	2 in./min. 2 in. gauge length
	21	MPa	ISO 527-1	50 mm/min. 50 mm gauge length
**Tensile Elongation @ Yield	24	%	ASTM D638	2 in./min. 2 in. gauge length
	25	%	ISO 527-1	50 mm/min. 50 mm gauge length
Flexural Modulus	115,000	psi	ASTM D790	2 in. span, 0.05 in./min.
	700	MPa	ISO 178	2 mm/min. 64 mm span
Notched Izod	1.1	ft-lb/in	ASTM D256	2 lb. Hammer
	6.5	KJ/m²	ISO 180 (Method A)	2 lb. hammer

*Values shown represent nominal averages and are not to be construed as product specifications.

** Not on our Scope of Accreditation

Bold denotes ACI's standard test method.

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