



Technical Data Sheet

LDPE 5005

General

Features	LDPE, Post Consumer, Reprocessed
Appearance	Natural Pellets
Processes	

*TYPICAL COMPOUND PROPERTIES	UNIT	TEST METHOD	CONDITION
Melt Flow Rate	0.8	g/10 min.	ASTM D1238 (Method A) 190°/2.16 kg (Condition F)
		g/10 min.	ISO 1133-1 190°C/2.16 kg
Filler Content	<1	%	ASTM D5630 (Method B) 800° C
		%	ISO 3451-1 (Method A) 800° C
Specific Gravity	0.93		ASTM D792 (Method A) Water Temp 23°C +/- 2°
			ISO 1183-1 (Method A) Water Temp 23°C +/- 2°

Mechanical

Tensile Strength @ Yield	2,500	psi	ASTM D638	2 in./min. 2 in. gauge length
		MPa	ISO 527-1	50 mm/min. 50 mm gauge length
**Tensile Elongation @ Break	800	%	ASTM D638	2 in./min. 2 in. gauge length
		%	ISO 527-1	50 mm/min. 50 mm gauge length
Flexural Modulus	41,000	psi	ASTM D790	2 in. span, 0.05 in./min.
		MPa	ISO 178	2 mm/min. 64 mm span
Notched Izod	9.8 NB	ft-lb/in	ASTM D256	2 lb. Hammer
		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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