



Technical Data Sheet

Experimental PCR HDPE 96032 W

Experimental Polyethylene Resin

Overview

PCR HDPE 96032 W Experimental Polyethylene Resin is a high-density resin specially designed for packaging applications. This resin is based on post-consumer plastic waste, delivering excellent processability and an outstanding balance between toughness and stiffness. This product is non-food contact compliant.

Sustainability Attribute:



Additive

- Antiblock: No
- Slip: No
- Processing aid: No

Physical Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.958	g/cm ³	0.958	g/cm ³	ASTM D792
Melt Index					ASTM D1238
190°C/2.16 kg	0.32	g/10 min	0.32	g/10 min	
190°C/21.6 kg	40	g/10 min	40	g/10 min	
Environmental Stress-Cracking Resistance (ESCR)					ASTM D1693
122°F (50°C), 100% Igepal, F50	40.0	hr	40.0	hr	
Mechanical					
Tensile Strength (Yield)	2990	psi	20.6	MPa	ASTM D638
Flexural Modulus - 2% Secant	102000	psi	700	MPa	ASTM D790
Impact					
Notched Izod Impact (73°F / 23°C)	1.9	ft·lb/in	100	J/m	ASTM D256

1. ASTM: American Society for Testing and Materials

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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