



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

EcoPrene PCR-IM PP

Polypropylene Impact Modified

Product Description

EcoPrene PCR-IM PP is a post-consumer polypropylene that offers a good balance of chemical, thermal, and electrical properties with moderate strength. This material exhibits durability with high toughness and exceptional fatigue resistance. EcoPrene PCR-IM PP can be processed using conventional thermoplastic processing equipment.

Revision

Revision Date: 5/22/2025

Properties	Method	Value
Density	ASTM D792	0.993 g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	2.5 g/10 min
Tensile Properties	ASTM D638	
Tensile Stress		1490 psi (10.27 MPa)
Flexural Modulus	ASTM D790	55 kpsi (379.212 MPa)
Notched Izod Impact	ASTM D256	9 ft-lb/in
Gardner Dart Impact	ASTM D5420	.30 in
Ash Content (2hrs @ 500°C)	ASTM D5630	0.22%

Notes

Processing Parameters: If necessary, dry the material at 75°C (167°F) for two (2) hours in a dessicant dryer. Recommended compression ratio should range from 2:1 to 4:1.

For additional inquiries, please contact: csr.supplychain@kmigroup.com

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