

EVALENE® PP PRJ1102

Polypropylene Random Copolymer
JG Summit Petrochemical Corporation

Message:

EVALENE® PRJ1102 is formulated with a high performance clarifier and anti-static additive, and is specifically intended for a broad range of injection molding applications requiring excellent product aesthetics including high transparency. This resin is designed to deliver improved cycle times and lower processing temperatures compared to other PP random copolymer injection molding grades.

- FEATURES
- Medium Flow
 - High transparency
 - High impact strength
 - Low warpage
 - High surface gloss
 - Meets Philippine FDA food contact requirements
 - Halal-certified
- TYPICAL APPLICATIONS
- Transparent Containers and Housewares
 - Bottles
 - Small Container Rigid Packaging

General Information			
Additive	Clarifier		
	Antistatic property		
Features	Low warpage		
	Highlight		
	Antistatic property		
	Impact resistance, high		
	Medium liquidity		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Household goods		
	Bottle		
	Container		
	Hard packaging		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant ¹	1450	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	29.0	MPa	ASTM D638
Fracture	24.0	MPa	ASTM D638
Tensile Elongation ³			ASTM D638
Yield	24	%	ASTM D638
Fracture	1200	%	ASTM D638
Flexural Modulus - 1% Secant ⁴	935	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200	°C	
Mold Temperature	20 - 40	°C	
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT